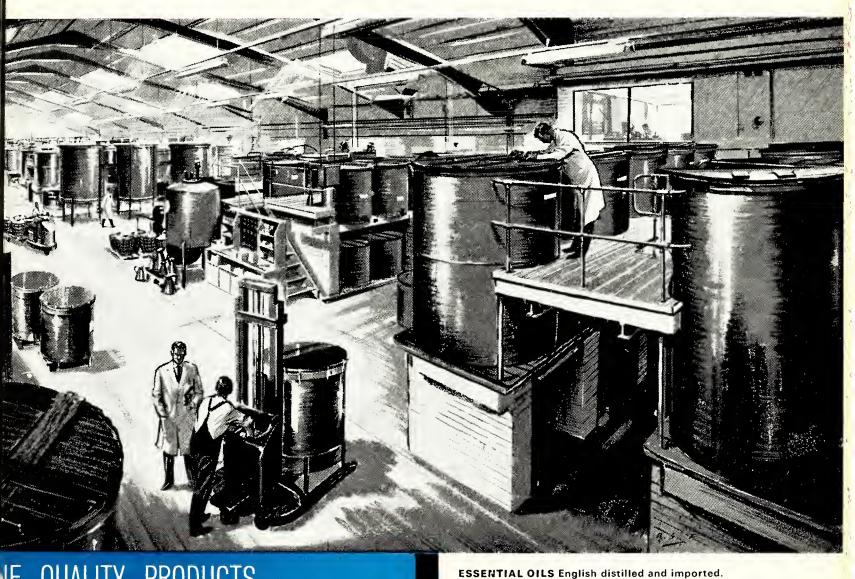
CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

NOVEMBER 21 1964



NE QUALITY PRODUCTS
R THE PHARMACEUTICAL,
OD, DRINK,
IEMICAL & PERFUMERY INDUSTRIES

Telegrams: Stafalens, London, N.1

RD ALLEN & SONS LTD. WHARF ROAD, LONDON, N.1.

ong Melford, Suffolk and Wharl Road, London N.1, and farms at Long Melford

e: CLErkenwell 1000

PERFUMERY COMPOUNDS Toilet preparations and industrial.

Illustration shows a section of the new Galenical Building at Long Melford concerned purely in the manufacture of a wide range of products for the Pharmaceutical Industry.

PHARMACEUTICALS Liquid Extracts, Syrups, Emulsions, etc.

FLAVOURS Food, Confectionery, Soft drinks. SPICES Milled & Saromex standardised. INSECTICIDES Pyrethrum and Derris extracts.



StaffordAllenS

WORLD-WIDE SERVICE ...

FOR ALKALOIDS and FINE CHEMICALS



BUENOS AIRES



In BUENOS AIRES as in many other centres we serve the pharmaceutical industry.

Manufacturers of Aloin, Atropine, Eserine, Ethylmorphine, Extract of Male Fern, Hyoscine, Jalap Resin, Morphine, Pilocarpine, Santonin, Scammony Resin.

Acknowledged world leaders in Opium Alkaloids.

MACFARLAN SMITH LTD

EDINBURGH · LONDON · MONTREAL · SYDNEY · MELBOURNE · WELLINGTON and agents in 50 other countries

November 21, 1964

KEEP THESE SHOWING FOR FAST XMAS SELLING

BRYLCREEM,
BRISTOW'S,
SILVIKRIN,
AMAMI,
VOSENE,
MACLEANS. Proved,
profit-earning brands
that always sell-onsight. Give these
special units star
billing in your shop—
and they'll make sure
that you get all the
extra profits that go
with Christmas buying.

Ask your Beecham representative for supplies and for details of the Beecham Brands' Xmas promotion.



THE SNOWMAN



THE XMAS TREE



First introduced last year, this novel unit *proved* to be so effective that supplies ran out. Extra quantities are available this year but it's still well worth your while to order quickly.

This self-service unit has been specially designed for you and is linked to a unique Xmas promotion. Festive and gay this colourful unit dispenses, decorates and sells—sells—sells.

RESALE PRICE MAINTENANCE

Smith & Nephew Limited announce that they

have decided to apply for exemption under the Resale Prices Act, 1964 in respect of the entire range of ELASTOPLAST products including:

ELASTOPLAST

Bandages, Plasters, First Aid Dressings,

Boil Dressings and Dressing Strips

SLEEK

Plastic Strapping

ZOFF

Plaster Remover

ELASTOCREPE

Cotton Crepe Bandages

ELASTOWEB

Heavy Cotton Elastic Bandages

PASTE BANDAGES Viscopaste Zinc Paste Bandages

Viscopaste P.B.7 Zinc Paste Bandages Ichthopaste Zinc Paste and Ichthammol

Bandages

Coltapaste Zinc Paste and Coal Tar Bandages Cortacream Hydrocortisone and Silicone

Bandages

JELONET

Paraffin Gauze Dressings

CARBONET

Water-soluble Base Non-adherent Dressings

MELOLIN XA

Dry, Non-adherent Dressings

GYPSONA

Plaster of Paris Bandages





by our established continuity of advertis-

ing in the National and Provincial Press and the use of full colour pages in the Magazine Press we help to bring customers to you. Make sure you are well stocked up to meet the ever increasing demand for Cow & Gate. We shall be pleased to send you attractive display matter if you will let us know your requirements.

Please address your enquiries to

Cow & Gate Ltd. (Dept. 158), Guildford, Surrey

Produced by the Makers of

COWS GATE SUSS

The FOOD of ROYAL BABIES

Garter's CHEMIST PACKAGE DEAL

MORE

£. s. d.

EACH PARCEL CONTAINS:

2 doz. Bryst Yeast Tablets 100's.

2 doz. Barkoff Cough Syrup 2/9d.

2 doz. Halibut Liver Oil Capsules B.P. 100's.

I doz. Osa-Dee Glucose + Vit. D IIb.

I doz. Zono Therm-O-Wool 2/4d.

1 doz. Vitamin B Complex Capsulettes 2/9d.

 $1\frac{1}{2}$ doz. Drawing Ointment 1/6d.

1½ doz. Fullers Earth Cream 1/-.

MIN. RETAIL VALUE £16/2/-

YOUR COST £9/12/OR 3 PARCELS £9/6/- EACH
MIN. PROFIT 70%

CARTER BROS.
GLEN LABORATORIES — SHIPLEY (YKS.)

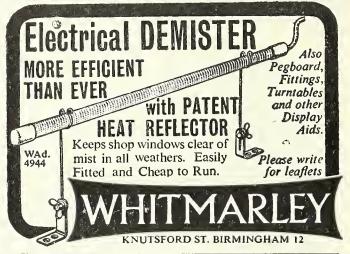
BURROUGH'S ABSOLUTE ALCOHOL JAMES BURROUGH LTD - VAUXHALL ST - LONDON S. E. 11



INGREDIENTS, APPARATUS, BOOKS

Amateur WINEMAKING Home BREWING

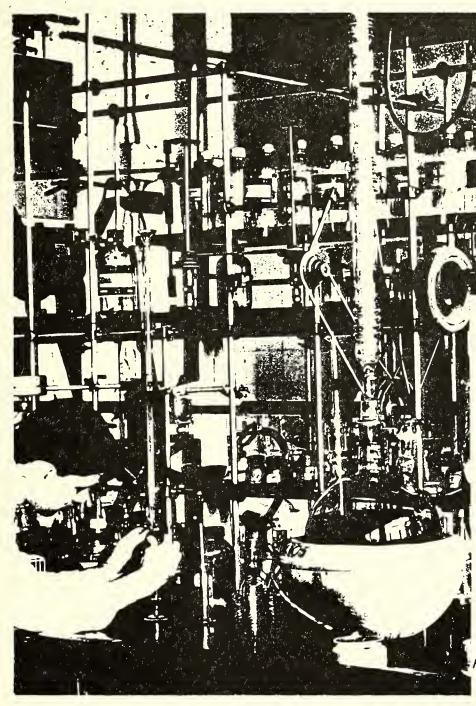
BEST TRADE TERMS
GREY OWL LABORATORIES LTD
KINGSWOOD BRISTOL



INDEX TO ADVERTISERS

Allen, Stafford, & Sons, LtdFront Co	ver 15
Askit, Ltd. Ayrton, Saunders & Co., Ltd.	- 8
Beatson Clark & Co., LtdInterleaved Edit.,	19
Beecham Toiletry Division	32
Berdoe & Fish, Ltd. Blythe, William, & Co., Ltd.	26
Brown, N. C., Ltd.	26
Burrough, James, LtdPrice List Sup., page	
Calmic, LtdInterleaved Edit.,	24
Carter Bros.	13
Carter Bros. Price List Sup., page Comby (London), Ltd.	17
Cow & Gate, Ltd	.3
Cox, Arthur H., & Co., LtdCover	iv 32
Daniel, Richard, & Son, Ltd. Dermosa Beauty Products	13
Elsinore Textile Products, Ltd.	8
Fencolor Laboratories, Ltd	25
Fryer & Co. (Nelson), Ltd.	15 28
Fulford, G. T., Co. (U.K.), Ltd.	16
Gibbs Pepsodent, Ltd. (Melody)	, 11
Gibbs Pepsodent (Sunsilk Hairspray)30, Glaxo Laboratories, Ltd	31 18
Golden, Ltd.	35

DARKILDEKO
Goodwin Storefitters, Ltd 9
Heron, John H., Ltd
Hygienic Drinking Straws Co., LtdCover iii
Johnson & Johnson (G.B.), Ltd
Kimberly-Clark, Ltd. (Kleenex)
Macfarlan Smith, LtdCover ii
Mason, Wm., & Son, Ltd
Mawson & Proctor Pharmaceuticals, Ltd
Molyneux et Cie, Ltd. 25 Monil, Ltd. 12
Morphy-Richards (Cray), LtdInterleaved Edit., 23
Phillips, Scott & Turner Co
Photo Laboratories, Ltd
Pifco, Ltd
Robinson & Sons, Ltd. (Chesterfield)
Rochdale Metal Products, Ltd. 32 Rhone-Poulenc 5
Savage & Parsons, LtdInterleaved Edit., 20, 21
Smith & Hill (Chemists), Ltd
Smith & Nephew, Ltd
Spong & Co., Ltd. (Corkette)
Suttley & Silverlock
Taylor, Edward, LtdInterleaved Edit., 22
Whitmarley Displays, Ltd 4
Zeal, G. H., LtdCover iii



PHARMACEUTICAL CHEMICALS AND ANTIBIOTICS

Acetyl Salicylic Acid
Alkaloids
Amidopyrine and Phenazone
Barbiturates
Bismuth, lodine and Mercury Salts
Chloroquine Diphosphate
Ephedrine and Salts
Glycerophosphates
Guaiacol and Derivatives
Lactic Acid
Oxyquinolines
Paraoxybenzoic Esters
P. A. S. (Acid, Calcium Benzoyl, Sodium)

Phenacetin
Piperazine Salts
Salicylates (Methyl, Sodium, etc...)
Sulphadiazine
Vitamins B. and C.

IMPORTERS AND DISTRIBUTORS -



United Kingdom Messrs R.W GREEFF & Co 31-4S Gresham Street LONDON EC 2

Australia
Messrs H.J. LANGDON & Co
Pty Ltd
351-3SS King Street
MELBOURNE C. 1
119 Harris Street
PYRMONT N.S.W.

Hong-Kong OLIVIER & Co (H.K.) Ltd 909 Alexandra House HONG-KONG Thailand THE BORNEO COMPANY LIMITED 10-1041 Silam Road BANGKOK

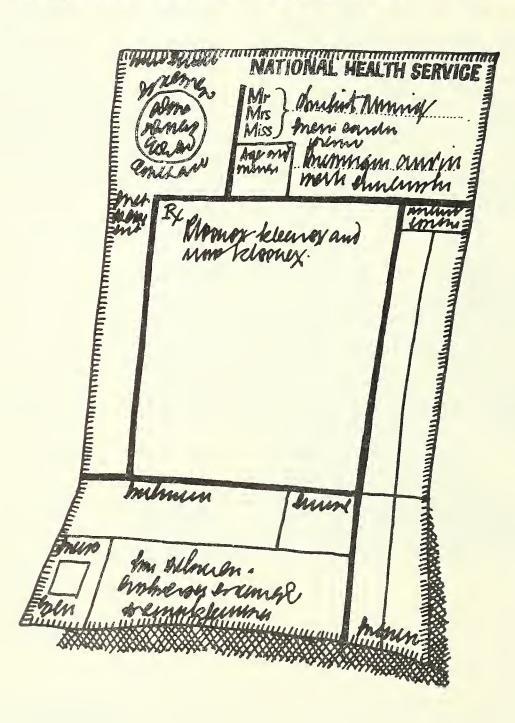
Pakistan VOLKART BROTHERS Sadarghat Road CHITTAGONG Mc Leod Road - KARACHI S3 The Mall - LAHORE

Malaya THE BORNEO COMPANY LIMITED Crosby House · SINGAPORE P.O. 137 - IPOH P.O. 1S1 - KUALA LUMPUR P.O. Box 1SS - PENANG India
VOLTAS LIMITED
19 Graham Road, Ballard
Estate - BOMBAY
B Netaji Subhas Road
CALCUTTA
2-2 Kasturba Road
COCHIN-Bangalore
The Mall - KANPUR
11S-116 Armenian Street
MADRAS
7-1 Ajmeri Gate Extension
NEW-DELHI

South Africa NEWPORT TRADING CORP 1S, Sydenham Road FORDSBURG-JOHANNESBURG



Just what the doctor ordered

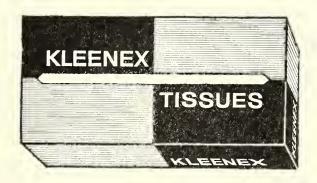


Ind you should order plenty of KLEENEX* tissues because our customers are re-sold by heavy advertising

LEENEX outsells its nearest competitor two and a alf times over and outsells all other brands put together

LEENEX is thought best by 63% of all users lillions of women use Kleenex as a beauty aid and so urn to the chemist for their supplies

hese are good reasons for selling Kleenex stead of other brands



ELL KLEENEX - BRITAIN'S BIGGEST SELLING TISSUES

* REGD. TRADEMARK KIMBERLY-CLARK CORP.

BINKI

ONE WAY UNDER NAPPIES

Tailored by ELSINORE

2 for 3/11

FROM
YOUR
USUAL
WHOLESALER



COTERPIN Regd.

Elix. Codein et Terpin. A. S. & Co. Ltd.

Formula:

Codein Phosph. B.P. ½ gr.

Terpin Hydr. B.P.C. ½ gr.

Menthol B.P. ⅓ gr.

Ol. Pini Pumil B.P.C. 1/24 m.

Eucalyptol B.P.C. 1/16 m.

Glycer. B.P. 20 m.

Syrup. B.P. 15 m.

An excellent formulation for unproductive cough generally. We regret the need to raise the price of this extremely popular line. CoTerpin has been pegged at a low cost and remains at the lowest cost still.

SPECIAL £ I FREE OFFER!

ORDER 4 x 2 LITRE WINS of COTERPIN. These will be

charged at 41/ each.

To give £1 extra profit.

This offer is valid until Dec. 31st, 1964, ex. "C. & D."

250 ml. D.P. 7/- each. Tax free.

500 ml. D.P. 12/9 each. Tax free.

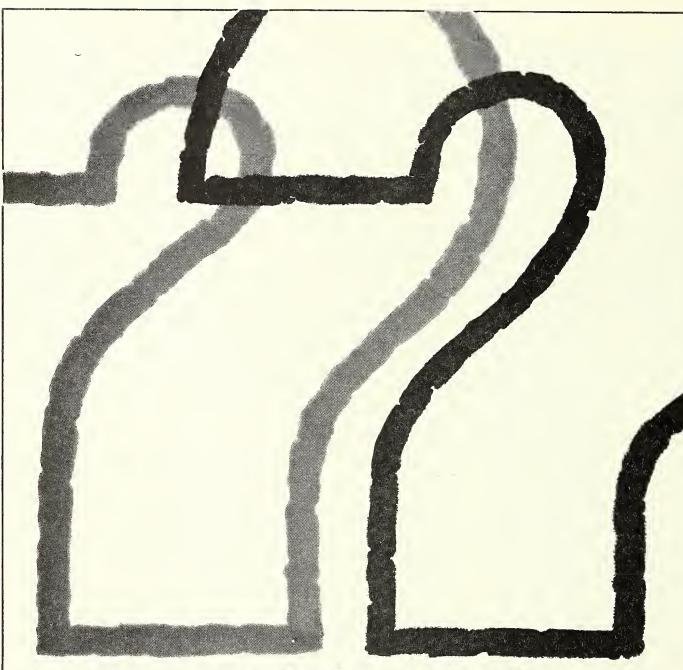
2 litre D.P. 46/- each. Tax free.

AYRTON, SAUNDERS & COMPANY LIVER POOL : PRESTATYN : DUBLIN



Please send me your Counterpoint brochure Please arrange to send your representative (tick as required)	B
NameAddress	
Post to Counterpoint Store Equipment Rochford Road, Southend, Essex.	Ltd.,
or (for the North & Scotland) to: James White (Shopfitters) Ltd., Team \ Trading Estate, Gateshead-on-Tyne 11.	/alley
Traumy Estate, Gateshead-on-Tyne 11.	-

©	Ounterpoint Rochford Road, Southend, Essex. Showroom: Euston Road, London, N.W.1.	



WHICH WOULD YOU RATHER SELL?

A PRODUCT THAT WORKS WELL ENOUGH?

OR A PRODUCT THAT WORKS SO WELL THAT YOUR **CUSTOMERS COME BACK** TO SAY THANK YOU?



CHEMISTS TELL US THAT NEW MELODY COVERS GREY HAIRS SO WELL THAT MANY CUSTOMERS BOTHER TO COME BACK TO SAY THANK YOU!

(You'll know from your own experience how rare that is... and what it means in terms of repeat sales.)

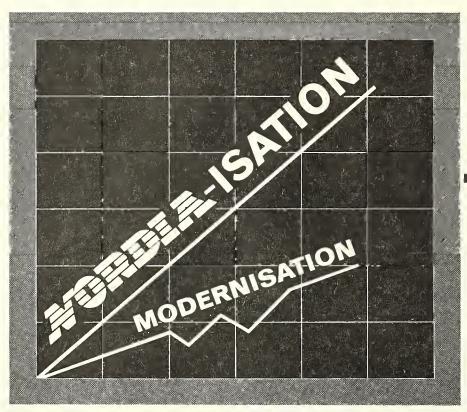
Why is Melody so effective?

Because it has been scientifically developed to give back *complete* colour to hair that is up to 70% grey.

Because it is a *semi*-permanent colour, so needs no root retouching.

Because its results are perfectly even. No colour build up at hair ends.

Gibbs Pepsodent Limited, Hesketh House, Portman Square, London W.1



I am interested in learning more about the Nordia System of Selling.

ADDRESS

Modernisation is not enough, you need a shopfitting system evolved by specialists (and backed by a free consultancy service). You need NORDIA-isation.

25, Wellington St, Leeds, or 94. Baker Street, London W.1.



A sensational

revolution in cosmetic techniques for 'NATURAL' HAIR COLOURING

6 VERY GOOD REASONS why New Monil Hair Colour is an ideal Chemists' line . . .

ONE: It's proved the most skilfully constituted product of its kind on the market—achieving the results today's women insist on!
TWO: Handsome discounts make it highly profitable.
THREE: New Monil has a new, sales-compelling counter pack.
FOUR: It comes in 12 lovely shades for toning and colouring, shades like Autumn Leaf and Sherry. Sherry.

FIVE: No other Hair Colour obtains, unfailingly, such true black and pure browns, and overcomes grey and faded hair difficulties

culties.
SIX: New Monil is backed by the biggest ever national and regional advertising. in Women's journals and Provincial papers giving over 120 million impacts!
New Monil retails at 4/6 per bottle—to you 30/- a doz. + P.T.

Order your stocks NOW from your wholesaler, or if in difficulty write direct to:

HUNMANBY FILEY MONIL LTD. YORKSHIRE



Make CORKETTE your counter attraction this Christmas . . .

This gifted wine bottle opener draws customers as swiftly and surely as it draws corks. For a minimum of counter space, Corkette gives you maximum profit in return (6/7d or more on each one sold). Advertisements in Radio Times, TV Times etc. will add to the demand. Display the showcard and give-away leaflets available with your initial order. 21 / - retail

kette

draws corks simply by air pressure

Order NOW from your usual distributor. In case of difficulty, please contact the manufacturers:

SPONG & COLTD · CROMPTON CLOSE · BASILDON · ESSEX · Basildon 3341/2/3



A new wonder hair spray
delicately French perfumed to suit the
most discriminating users. It's not just another spray—
but a completely new formula and the most advanced
pack in aerosols

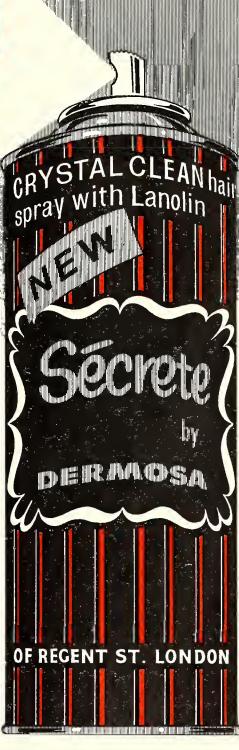
Retail Price 5/9 per can. 36/- + 9/- Tax per dozen (45/- Tax Paid)

HIGHER PROFIT PER CAN ON OUTLAY THAN ANY OTHER. HAIR SPRAY. YOU ARE SURE OF BIG PROFITS

OPENING BONUS OFFER 15 FOR THE PRICE OF 12—3 CANS FREE PER DOZEN. ORDER 4 DOZEN AND WE GIVE YOU ONE DOZEN FREE. £9 OUTLAY RETURNS YOU £17.5.0—NEARLY 100% PROFIT

YOU GET THE FULL AND CONTINUAL SUPPORT OF LARGE SCALE NATIONAL ADVERTISING IN THE LEADING DAILY PAPERS AND WOMEN'S MAGAZINES. GET YOUR BONUS OFFER NOW FROM YOUR WHOLESALER OR COMPLETE THE ORDER FORM BELOW

ORDER FORM					
Please deliverDoz(s) at 45/- per doz Tax Paid. (Excl. Bonus)					
Through my wholesalers, Messrs.					
Address					
Buyer's Name					
Address					
Buyer's Signature					



In case of difficulty in obtaining supplies, write direct to:

DERMOSA, 8 Radnor House, 93/97 Regent St., W.1. Tel: REG 5351



The greatest supporting act in the business!

Display these brand leaders, and sales of *each* increase! That's a proven fact Stock Phillips, Scott & Turner family health products and you get: special display terms; generous profit margins and convenient 'parcel' terms; vigorous and persistent advertising support; rapid and rewarding business. That's a firm promise.

THE PHILLIPS, SCOTT & TURNER COMPANY · ST MARK'S HILL · SURBITON · SURREY

Do not disappoint your customers

-stock and display



Powders and tablets for the safe and speedy relief of headaches, colds, chills, rheumatic and nerve pains.

EX ALL LEADING WHOLESALE HOUSES

Stock up with . . .



SYNFOAM SUPER SPONGE

HONEYCOMB · ALL PURPOSE FULLY SYNTHETIC

STANDARD SIZE Retail Price 2/10 LARGE SIZE Retail Price 3/9 GIANT SIZE Retail Price 6/0 USUAL DISCOUNTS

Each Sponge fully wrapped. Each doz. in carton. 12 doz. in cardboard box. Except Giant size

Obtainable from YOUR USUAL WHOLESALER or contact:—

FLETCHER & FARLOW LTD.

Finsbury Court, Finsbury Pavement,
London, E.C.2 • Tel: MONarch 6810

"SYNFOAM SUPER"
SELLS ON SIGHT!

IMPORTANT NOTICE TO THE TRADE

From the 1st December, 1964, Fennings' Fever Mixture will be manufactured and distributed by J. Waterhouse & Co., Ltd., Church Street, Old Square, Ashton-under-Lyne, Lancs. (Telephone: ASHton 5667), and all orders for this preparation after that date should be sent to them.

All Fennings' Preparations, other than Fever Mixture, will continue to be manufactured and distributed by J. Sanger & Sons, Commerce Way, Lancing, Sussex (Telephone: Lancing 3654).

It is regretted that assorted orders including Fever Mixture can no longer

be supplied, but the trade will find that they benefit by this new arrangement, as the minimum order for carriage paid Fever Mixture has been reduced to one gross, and minimum carriage paid terms for our other preparations reduced to £10.

It will also be noted that the prices of Fennings' Children's Cooling Powders and Fennings' Little Healers have been increased from 1st December, 1964, but no alteration has been made to the dispensing pack containing 100 Children's Cooling Powders and consequently the price of the single powder remains the same at 2d. each.

ALFRED FENNINGS

HORSHAM, SUSSEX

TEL.: HORSHAM 3427



Great Christmas favourite with small-gift seekers



Elegant, leakproof Cutipen - the easy way to trim unsightly cuticles - is always snapped up *fast* at Christmas. It's the perfect small-gift for every woman - and only 3/9. Stock up now.

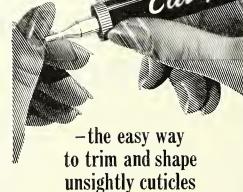
Cutipen advertising is appearing in WOMAN, WOMAN'S MIRROR, WOMAN'S WEEKLY, READER'S DIGEST.

Includes special Christmas-gift reminder.



From your wholesaler, or direct from G. T. FULFORD CO. (U.K.) LTD.,
Cornwall Road, Hatch End, Middlesex. Tel: 1055





The self-contained Cutipen feeds gentle acting lanolised cream one drop at a time to soften your cuticles. Then, with the unique shaper nib, you simply smooth them away, revealing the beauty of your half moons. Cutipencare is so quick, so clean—no need for orange sticks or cotton wool. No cutting. The Cutipen is leak-proof and a handy size for your bag. Use it regularly—and keep your nails beautiful.

Cutipen

From chemists and beauty counters 3/9
Easily fitted refills 2/3

Thought for Christmas
Cutipen - the perfect small gift









No. 3

No. 15





No. 7 PINTAIL - 8

OH-COMBY-HO No. 100 POCKET COMB 5"(FINE RAKE) (No. 101 - 6")(No. 8 - 7")

No. 024



and 30 other patterns by

(LONDON)

9 Violet Hill, N.W.8 Tel: MAlda Vale 7357



HEMIST

THE WEEKLY NEWSPAPER FOR PHARMACY and all sections of the drug, pharmaceutical, fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

Volume 182 November 21, 1964 No. 4423

CONTENTS

100 Years Ago 525

100 1 0410 1180			5-5	
Branch Events			526	
Council's Views on Branch R	esolutio	ns	514	
Drug World in America			528	
Expansion Plans			529	
House of Lords Tetracycline A			515	
Identifiable Tablets			521	
In Parliament			516	
Leading Articles:				
Supermarket Pharmacy in R	elation	to		
the Council's Statement			523	
Advice and Medicine Free			523	
		• • •	525	
New Books				
New Products			519	
Pharmaceutical Society of		d:		
Council Meeting			524	
Sheffield Branch Dinner (carto			527	
Topical Reflections			513	
î de la companya de	ompanies			533
	n Brief			513
	Statistics			529
	s Visits			518
¥ 7				534
	lities			517
correspondence iii iii baa	ers' Press			529
	nd Publi Aarks			532 534
	Notes			520
	leport			
Manufacturers' Activities 521 Wills				533
Marriages 518 World	Γrade			532

Index to Advertisers, p. 4. Classified Advertisements, p. 36.

PUBLISHED BY

MORGAN BROTHERS (PUBLISHERS), LTD., at 28 Essex Street, Strand, London, W.C.2 Telephone: Central 6565

MEMBER OF THE AUDIT BUREAU OF CIRCULATIONS MORGAN BROTHERS (PUBLISHERS), LTD. 1964

GLASGOW: 160 Nether Auldhouse Road, S.3. Phone: Langside 2679. LEEDS, 16: 32 Wynford Rise, West Park. Phone: Leeds 67 8438.

ANNUAL SUBSCRIPTION

which includes The Chemist and Druggist Diary and Year Book, £3 10s. Single copies 1s. 3d. each (postage 5d.).

Glaxo cephalosporin development

Breakthrough in antibiotic treatment

CEPhaloridine

truly bactericidal really broad spectrum



Detailed literature available
Glaxo Laboratories Limited Greenford Middlesex

Volume 182

NOVEMBER 21, 1964

No. 4423

Dangerous Drugs

HOME OFFICE NOTICE TO TRADE

THE Home Office has issued a notice to trading and other organisations concerning new Dangerous Drugs Regulations. Owing to the change of Government there has been delay in signing and publishing the Dangerous Drugs (No. 2) Regulations, 1964, and the date upon which the Regulations are to operate (December 1) is now so close that the Home Office has issued its notice in advance of publication of the new Regulations, so as to enable wholesalers who are to be required to hold licences, or to be registered, to submit applications without further delay. The notice states:—

1. The Dangerous Drugs Act, 1964 (Appointed Day) Order, 1964, made on September 25, named December 1, 1964, as the appointed day for the purposes of the Dangerous Drugs Act, 1964, and the Dangerous Drugs (No. 2) Regulations have been made and will come into operation on that day in place of the existing regu-

2. As from December 1, a licence or other authority will be required to supply or possess any substance for the time being falling within Part I of Schedule 1 to the Act of 1964 [see C, & D., July 18, p. 52]. In this connection attention is drawn to the Dangerous Drugs Act, 1964 (Modification) Order, 1964, which added fentanyl and norpipanone to Part I of the said Schedule to

the Act [see C. & D., August 15, p. 138].

3. Wholesalers who deal only in preparations and other substances for the time being falling within Part II of Schedule 1 to the Act may apply to be registered with the Home Office as an alternative to being licensed. The Secretary of State has made a Group Authority, which will come into force on December 1, authorising persons or firms who are so registered, to supply those preparations and other substances in the course of their business. Application for registration, for which no fee will be charged, should be made to the Home Office, E.4 Division, Whitehall, London, S.W.1, and should state the substance in which it is proposed to deal and the address of the premises where the substances are handled; it will not be necessary to give particulars of the formulations. Where, however, it is proposed to deal in a preparation or other substance falling within Part II of the Schedule and to apply for a licence to possess or supply the drug contained in the substance the licence, if approved, will be issued in terms which will cover the preparations and no application for registration in respect of preparations of that drug need be made.

4. The main changes made by the Dangerous Drugs (No. 2) Regulations, 1964, which will come into operation on Decem-

ber 1, are as follows:-

(a) Poppy-straw (which includes poppy heads and capsules) is excluded from the provisions of Part I of the Regulations and is subject only to import/export control

(b) The substances exempted from the operation of Part II of the existing Regulations and the substances hitherto within the operation of Part III of the existing Regulations are brought within the operation of Part II of the new Regulations.

(c) There are modifications in the application of Part II of the Regulations to certain substances. In particular:—

(i) drugs or preparations falling within Schedule 2 to the Regulations may be supplied by an authorised seller of poisons otherwise than on prescription (Regulations 9 (2) (c)) and may be sold without a declaration of drug content appearing on the package or bottle (Regulation 16 (2)).

(ii) preparations falling within Part II of Schedule 1 to the Act of 1964 [preparations of acetyldihydrocodeine, codeine, dextropropoxyphene, dihydrocodeine, ethylmorphine, norcodeine, pholcodine, etc.] need not be kept in a locked receptacle (Regulations 10 (4) and 12 (2)) and entries in respect of them need not be made in the dangerous drugs register (Regulation 17 (1)). Manufacturers of, and dealers in, such substances are required to keep for the usual two-year period invoices or similar records, or copies thereof (which may include microfilms) in respect of any preparations obtained or supplied. Retailers need keep invoices, etc., only in respect of preparations obtained (Regulations 17 (6) and 26 (1)).

Resale Prices Act

PHARMACEUTICAL GOODS REGISTRATION

THE Association of the British Pharmaceutical Industry has announced that the association has submitted applications for registration under the Retail

Prices Act 1964 in respect of the following classes of goods:—

Animal substances prepared for therapeutic or prophylactic or diagnostic uses coming within heading 30.01 of the Brussels Convention Customs Nomenclature and not specified or included in other headings.

Antisera, microbial vaccines, toxins, toxoids, antitoxins, virus vaccines including diagnostic agents for human and veterinary use, coming within heading 30.02 of the Brussels Nomenclature.

ing 30.02 of the Brussels Nomenclature.

Medical and veterinary products
coming within heading 30.03 of the
Brussels Nomenclature.

Tulle dressing.

Tulle dressings, medicated, for human and veterinary use, coming within the heading 30.04 of the Brussels Nomenclature.

Sterile absorbable surgical hæmostatics for human and veterinary use coming within heading 30.05 of the Brussels Nomenclature.

Opacifying preparations for x-ray examination and diagnostic reagents designed to be administered to the patient and coming within heading 30.05 of the Brussels Nomenclature.

Disinfectants for medical or surgical or veterinary use.

European Chemicals

SURVEY PUBLISHED FOR 1953-62

OUTPUT of the chemical industry in 1962 was one-and-a-half times greater than in 1953, whereas the output of



MECHANISATION IN A HOSPITAL LABORA-TORY: "Grangemouth hydro" bottle-washing unit recently installed at Newcastle-on-Tyne general hospital by Thomas Hill Engineering Co., Ltd., Hull,

all manufacturing industries taken together increased by only 75 per cent. The share of the chemical industry in gross national product has increased by 28 per cent. since 1953, against a rise for all manufacturing industries of only 14 per cent. The reasons for the exceptional growth rate of the chemical industry in Europe are analysed in a study written for the Organisation for Economic Co-operation and Development by Dr. Wittmeyer (West-ern Germany) which has just been published under the title: "The Chemical Industry in the European Member Countries of the O.E.C.D., 1953-62" (H.M. Stationery Office, price 12s. 6d.). The study finds that prices of chemical products are increasing more slowly than those of manufactured products in general owing mainly to the fact that labour requirements are low and productivity high. The overall export surplus has almost doubled in the period but the expansion has not been the same for different categories. The surplus of basic chemicals for instance has fallen sharply by more than onethird whilst pharmaceutical products show the largest absolute surplus having risen from £61 millions in 1951 to £131 millions in 1962. In O.E.E.C countries exports accounted for 13.9 per cent. of total chemical exports during 1962 and for 9 per cent. of total chemical imports.

Approved Names

SUPPLEMENTARY LIST

THE following supplementary list of approved names has been issued by the British Pharmacopæia Commission:—

OLO III					
APPROVED NAME	OTHER NAMES				
Ambucetamide	α-Dibutylamino-4-methoxy- phenylacetamide (present in Femerital)				
Clopamide	4-Chloro- <i>N</i> -(2,6-dimethylpiperi- dino)-3-sulphamoylbenzamide (Brinaldix)				
Denatonium benzoate	Benzyldiethyl-(2,6-xylylcarba- moylmethyl) ammonium benzoate (Bitrex)				
Dipyrone	Sodium 2, 3-dimcthyl-1-phenyl- 5-pyrazolon-4-yl-N-methyl- aminomethanesulphonate Sodium noramidopyrine methanesulphonate				
	Methampyrone (present in Isaverin)				
Malethamer	Maleic anhydride-ethylene polymer				
Pyritinol	Di-(5-hydroxy-4-hydroxy- methyl-6-methyl-3-pyridyl- methyl) disulphide (Encephabol is the dihydrochloride)				
Rolitetracycline	N-(1-Pyrrolidinylmethyl) tetra- cycline (present in Syntetrin)				
Thiocarlide	NN'-Di-(4-isopentyloxyphenyl) thiourea (Isoxyl)				
Triclofenol Piperazine	Piperazine di-(2,4,5-trichloro- phenoxide) (present in Ranestol)				
Tropicamide	N-Ethyl-N-(4-pyridylmethyl) tropamide (Mydriacyl)				

The Commission is to issue a booklet, on December 3, giving the approved names issued since 1948 together with approved names issued earlier for substances, which have not become the subject of Pharmacopæial monographs. The new edition includes 144 approved names which were issued in the seven supplements to the booklet of July 1963. Copies may be obtained from the secretary, British Pharmacopæia Commission, General Medical Council Office, 44 Hallam Street, London, W.1, at the following rates: Single copies 4s., 10 copies £1 16s., 25 copies £4, 100 copies £13 10s.

Executive Councils

REORGANISATION IN GREATER LONDON

THE reorganisation of the National Health Service Executive Councils in and around Greater London is provided for in the London Government (Executive Councils) Order, 1964 (H.M. Stationery Office, price 1s. 6d.). The Order, which became effective on November 16 is consequent upon the changes of local government in Greater London from April 1, 1965. The changes involved are as follows:—

(a) the Executive Councils for Kent and Canterbury are to continue to function in their present area with a change of name only;

(b) the Executive Councils for Essex and for Hertfordshire will function in the counties of Essex and Hertfordshire respectively as they will be from April 1, 1965;

(c) the Executive Councils for London and for Middlesex will continue in their present areas but with boundary adjustments, and with a change of name for the former to Inner London;

(d) the Executive Councils for Croydon, East Ham, Surrey and West Ham will be dissolved;

IRISH NEWS

THE NORTH

Ulster Chemists

MONTHLY MEETING OF EXECUTIVE

APPROXIMATELY 50 per cent, of members of the Ulster Chemists' Association had replied to a questionnaire that had been sent out concerning the possibility of a five-day week for chemists if it were adopted by other traders, reported MISS A. E. STRACHAN (secretary) at a meeting of the Association's executive in Belfast on November 3.

A high proportion of the membership were in favour of the five-day week but it was felt that the returns were insufficient to give a clear picture of members' opinion. It was agreed to ask those who had not replied to do so as soon as possible. Most members were also in favour of closing on St. Patrick's day, Whit Monday and August Bank Holiday. It was decided that the matter should be discussed at the forthcoming annual meeting. The future policy of the Association towards price-cutting was discussed and possible measures to combat present trends considered. It was agreed to give the matter prominence at the Association's annual meeting. THE SECRETARY reported that Mr. E. O'Hare, Londonderry, was willing to repeat in January the talk he had given at the Association's conference in May.

MR. J. K. McGregor (chairman of the action committee) reported that more manufacturers had confirmed that they had applied for exemption of their (e) new Executive Councils will be constituted for—

(i) North-east London, comprising the county boroughs of East Ham and West Ham, a small part of the metropolitan borough of Woolwich, and that part of the present county of Essex which will be within Great London from April 1, 1965; and

(ii) South-west London and Surrey, comprising the present county of Surrey, the county borough of Croydon and certain areas now in Middlesex.

The Order contains provisions relating to the constitution or reconstitution of the Executive Councils concerned, and also contains consequential provisions relating *inter alia* to membership, continuance of services, transfer of property and staff, and compensation.

Price Index

OCTOBER SHOWS FURTHER RISES

FURTHER rises in wholesale prices are reported in the *Board of Trade Journal*, November 6. Materials, it says, began rising again in the third quarter after a pause in the second quarter. The index for the non-food sector moved up by nearly 1 per cent. in October to a provisional figure of 110·2 (1954 = 100). That compared with 104·9 in the previous October. The index for pharmaceutical chemicals for October was 66·2 (against 65·8 in October 1963), that for pharmaceutical preparations, 100·6 (98·1) and for toilet preparations, 132·9 (129·7).

products in respect of the Resale Prices Act. Messrs. J. J. Farrelly, Belfast, and T. S. Purce, Whiteabbey, Newtownabbey, co. Antrim, were co-opted to the committee. Preliminary arrangements were agreed for the annual conference in Portrush in October 1965.

The following were elected to membership:—
Miss I. M. Taylor, 157 Oldpark Road, Belfast (successor to Mr. R. J. Watterson), Mr. H. O. E. Follis, 28 Belmore Street, Enniskillen, co. Fermanagh (successor to the late Mr. W. J. Maxwell), Mr. A. T. W. Kennedy, 136 Main Street, Larne, co. Antrim (successor to W. J. Henning & Co., Ltd. (branch)), Mr. W. J. Templeton, 51 Abercorn Road, Londonderry, Mrs. A. S. G. Watson (president) occupied the chair at the mceting. Also present were Miss D. Hall, Messrs, H. S. Anderson, N. A. J. Anderson, W. H. Boyd, J. A. Brown, W. E. Cooper, T. A. Gibson, J. Knox, W. L. McDonnell, J. K. McGregor, J. McMillan, W. J. Moffett, M. C. Mooney, T. I. O'Rourke, J. Paul, J. G. Stinson, A. Templeton, J. C. Wellwood. Apologics for absence were received from Messrs, N. C. Cooper, B. J. Deeny, H. W. Gamble, J. F. Rankin, W. J. Rankin.

IRISH BREVITIES

THE NORTH

THE Drugs (Prevention of Misuse) Act, 1964, came into force in Northern Ireland on October 31. Copies of the Act may be obtained from H.M. Stationery Office, 80 Chichester Street, Belfast, 1 (price one shilling).

THE REPUBLIC

THE annual dinner of the Wholesale Drug Federation of Ireland is being held in Jury's hotel, Dublin, at 7 p.m. on November 25.

NEWS IN BRIEF

"PLANNING Fire Safety in Industry," a 70-page booklet, is available from the Fire Protection Association, Aldermary House, Queen Street, London, E.C.4, price 4s.

A NUMBER of changes and extensions have been made in the arrangements under the National Health Service for providing severely disabled people with power propelled vehicles.

A REVISED "Scheme for a Part-time Course in Chemical Engineering" has been published by the Institution of Chemical Engineers, 16 Belgrave Square, London, S.W.1.

A STATEMENT issued by Mr. John Maude-Roxby (director of the Distributive Trades Alliance) estimates that only 5 per cent. of multiple food stores are continuing to give trading stamps.

OF the £4.6 millions subscribed by British industry and commerce for two British business schools for management education (at Manchester and London) about £390,000 was contributed by companies in the chemical industry at the end of October.

THE Minister of Health has accepted in principle that routine screening for cervical cancer should be available to all women "in the age groups at risk," and hospital boards have been asked to expand facilities for exfoliative cytology in hospital pathology departments.

The report on hospital in-patient inquiry for the year 1961 (part I) published by H.M. Stationery Office, price 2s., contains the detailed tables relating to a 10 per cent, sample of discharges and deaths in National Health Service hospitals in England and Wales

AN amount of 200 kilos of cod-liver oil has been donated to the Mobile Ophthalmic Clinic (International) by British Cod Liver Oils (Hull & Grimsby), Ltd., to help combat night blindness and other blinding diseases associated with vitamin deficiencies and under-nourishment in South-east Asian countries.

THE London Chamber of Commerce, 69 Cannon Street, London, E.C.4, is acting as host to a mission from Stuttgart on November 30. The delegates have expressed interest in meeting representatives of firms supplying (among other things) raw materials for the chemical and pharmaceutical industries.

A FIRST set of amendments to the third edition of "Marking Containers" has been published by The Association of British Chemical Manufacturers, Cecil Chambers, 86 Strand, London, W.C.2, from whom copies are available (price 2s. 6d.). The charge for "Marking Containers" together with the amendments is now 17s. 6d. post free.

THE names of the members to serve on the Food Additives and Contaminants Committee for the next three years were announced on November 11. The Committee, which has taken over from a subcommittee (see C. & D., June 20, p. 610) contains no pharmacist member; it will be chaired by Professor R. A. Morton, University of Liverpool.

TOPICAL REFLECTIONS

By Xrayser

Prices

It is difficult to avoid references to prices and the threatened anarchy in that connection. Following upon an ambiguous statement on the subject from the National Pharmaceutical Union a few weeks ago, the Pharmaceutical Society has now attempted to lay down certain principles which are intended as guidance for its members. I have read the statement with care and have read also your editorial comment on p. 499 in which you draw attention to its lack of precision. It is imprecise, and its very imprecision only serves to emphasise the gravity of the situation, for the abolition of price maintenance can have no other result than to throw up total chaos in place of what had been for years a well-ordered and stable society. I have considerable sympathy for the Society's Council in the dilemma in which it has found itself, for here is a situation which no professional organisation should ever have been called upon to notice, had pharmacy developed along lines consonant with full professional status and dignity. But in a harsh commercial world, in which so many warring factors are in evidence, we are faced with a struggle for survival, and in that struggle we are witnessing the giant chain stores, pharmaceutical and non-pharmaceutical, firing the opening shots in a titanic battle. To judge from window and counter displays, the same products have been chosen as weapons in the opening skirmishes, and the small privately owned pharmacy has a most difficult decision to take. To ignore the "new" prices—a euphemism if ever there was one—is to store up trouble and to embark on unpleasantness. To join in the fray is to court disaster if the final answer is to be "free for all." I have seen small private pharmacies showing prices which presuppose that the demand for some articles will now be tenfold—and I cannot believe that it will. In all the circumstances, the Society might have been excused if it had made no statement at all, and that, I think, would have been preferable to the circumlocution of the present document.

The statement

In the matter of the statement itself, of course it is objectionable if window stickers are used; of course it is objectionable if the former price is crossed out and the cut price substituted. It is objectionable, it is undignified and quite unworthy of a calling with profesional aspirations. And of course the pharmacist should not use or take part in sales promotion schemes that are likely to lower the standing of the profession, even if the goods being promoted are as far removed from pharmacy as—perhaps it were better not to specify. The fact is that it should not be necessary for the Council of a professional body to counsel restraint and dignity. They should be inherent. But so long as medicines that are not controlled and poisons may be "sold everywhere," just so long will pharmacy be torn asunder and the highest standards remain unattainable. In no circumstances should medicines be treated as other goods, but while they remain articles produced predominantly for commercial gain I am afraid they will be. But out of it all comes the satisfaction that a large number of members have looked to the Society for guidance, and they will do so again in circumstances that may permit of clearer directive.

N.P.U. clearing house

I am indebted to Mr. K. G. Cluer (finance officer of the N.P.U.) for his letter concerning the acknowledgment of payments made by those using the clearing-house for payment of accounts. I feel sure that his request to the firms concerned will have effect, and I hope that those who have not been receiving acknowledgment will act on the suggestion that they write personally to demand that receipts be sent, though that should not be necessary. The Cheques Act of 1957 was never intended to be an excuse for failing to acknowledge receipt of money, and it may be that the Post Office would be in a less parlous state today if the Cheques Act had not been treated in the manner in which it has.

Council's Views on Branch Resolutions

INTERIM REPORT ON REPRESENTATIVES' MEETING IN MAY

THE Council of the Pharmaceutical Society has issued an interim report on resolutions passed at the Branch Representatives' meeting in May 1964.

Articles in the Society's journal

THAT it is the opinion of this meeting that the educational policy of the Pharmaceutical Society would be further improved by the regular and frequent inclusion in the *Pharmaceutical Journal* of articles expressly designed to keep the practising pharmacist abreast of modern pharmaceutical and medical developments.

The editorial policy of the Society's journal is being developed along these lines. The series of refresher-course articles, "Drugs in Use," has been well received and it is intended to increase the frequency of appearance of this series and to introduce, as soon as possible, other new features of an educational nature.

Presentation of Annual Statement of Accounts

THAT it is the opinion of this meeting that in order to ensure prominence to matters of finance, the annual statement of accounts should be presented to the annual meeting by the treasurer, as a separate item from the report of the Council.

This procedure was adopted at the annual meeting this year and will be followed in future.

Treasurer to Speak to Motions

That it is the opinion of this meeting that the treasurer should speak to any motion before the Branch Representatives' meeting, the adoption of which would require expenditure from the Society's finances, explaining the financial implications of its adoption.

The Council agree in principle with this resolution. Where it is practicable to make a forecast this will be done. To ensure as far as possible that financial considerations are kept in mind by Branches, it is proposed to raise when necessary the question with the Branch at the time a motion is submitted.

Samples, Gifts Schemes, and Stamps

That it is the opinion of this meeting that the Council add the following to their Statement upon Matters of Professional Conduct:—"Any member seeking to encourage self-medication by the public by instituting or participating in free sample or gift coupon schemes, or the offer of medicinal products at special prices shall be deemed guilty of unprofessional conduct, and shall be answerable to the Council of the Society for his actions. Such conduct shall apply to all medicines which are customarily sold to the public, It shall not apply to sampling of prescription items to allied professions, infant and invalid foods."

THAT it is the opinion of this meeting that the issue of trading stamps with any goods supplied by a pharmacy shall be prohibited, and any breach of the prohibition should be liable to statutory action.

The Council have given much thought to methods of promoting sales which should be regarded as objectionable and have already issued statements on the matter. The practices mentioned in the resolutions are clearly within this field but the matter does not end there and it seems desirable to endeavour to cover the whole ground as far as possible before amending the Statement.

Safe Handling of Drugs

That it is the opinion of this meeting that the Society should confer with other interested bodies on the means whereby the public might be informed on the correct handling and storage of poisons and medicines, and the potential hazards to health and safety associated with many domestic and household preparations.

The Council recognise the important part which the Society can play in preventing directly and indirectly the dangers of poisoning in the home.
Activity is being directed along being directed along a number of lines and, as and when appropriate, contact is and will be made with other bodies. The planning of a mobile public exhibition is in progress and it has been decided to have a film prepared to be shown either separately or in conjunction with this. Recorded lectures on poisonous plants and fungi are spreading information on this matter and the Society is in contact with the newly established poisons information centres with a view to co-operating in their work. A symposium on the identification of medicines has been arranged to be held in 1965. While the Council will ensure that the Society is active in this matter centrally, they wish to stress the key rôle which individual members can play in informing the public through day-to-day contact in the pharmacy.

Restriction of Medicines to Pharmacies

THAT it is the opinion of this meeting that until the sale of all medicines is reserved to pharmacy, the pharmacist is unable to exercise to the full his professional knowledge and judgment in protecting the general public from the hazards of self-medication.

THAT it is the opinion of this meeting that all medicines should be sold only through pharmacists in registered pharmacies,

The Council constantly stress the case for restricting the supply of medicines to pharmacies. The Society has taken a leading part in pressing for legislation which would deal with medicines as a whole and treat them as articles which need control in the public interest. The Society's evidence to the Interdepartmental Working Party on Legislation concerning Medicines, established some years ago, in-cluded the proposal that the "preparation and distribution of medicines should be in the hands of qualified persons with exceptions only where, for one reason or another, the balance of public advantage lies in favour of the relaxation of this requirement." It is clear that it is Government policy to introduce comprehensive legislation to deal with medicines and the Council will further urge the point at the appropriate stage.

Reports of Council Meetings

THAT it is the opinion of this meeting that the recent policy of publishing a fuller report of Council meetings is to be welcomed and should be continued.

It is hoped to continue to expand the amount of information supplied to members about Council business.

THAT it is the opinion of this meeting that

Branch secretaries should be provided with fuller information on important matters discussed at Council meetings than that contained in the published report.

This matter is under consideration.

Professional Fees

THAT it is the opinion of this meeting that the Council should, without further delay, establish and publish a scale of professional fees.

A scale of fees has now been published.

Enforcement of Code of Ethics

THAT it is the opinion of this meeting that the membership should indicate their willingness to accept the enforcement, by disciplinary machinery, of the Statement upon Matters of Professional Conduct.

The matters dealt with in the Statement upon Matters of Professional Conduct have been approved by general meetings of the Society and this implies that the membership accepts the Statement as containing matters which may be the subject of disciplinary procedure.

Registration of Premises

THAT it is the opinion of this meeting that premises should only be registered if the Statement upon Matters of Professional Conduct is complied with and on the condition that the pharmacy will be concerned only with the sale of those products traditionally associated with pharmacy.

As is well known, no conditions of this kind can be attached to the registration of premises without a change in the law. The pending comprehensive legislation on medicines will provide an opportunity to press for provisions to ensure that premises should not be registered unless certain conditions are satisfied. The observance of professional standards relating to the premises and business carried on will be considered in this connection.

Recommendation of Medicines

THAT it is the opinion of this meeting that pharmacists should not recommend products for which false or misleading advertising claims are made and that the Council of the Society should publish lists of such products.

The Council consider that the first part of the resolution is axiomatic. The second part is under consideration.

Remuneration of Hospital Pharmacists

THAT it is the opinion of this meeting that the remuneration of pharmacists in the hospital service is quite inadequate for persons who have passed a professional examination and calls upon the Council to take such steps as are necessary to bring about an improvement for those engaged in this Branch of the service.

This motion was referred to the Council. The Council have repeatedly in recent years shown their concern for the economic well-being of pharmacists and one of the reasons for establishing the Practice Committee and its four subcommittees dealing with general practice, hospital pharmacy, industrial pharmacy and agricultural and veterinary pharmacy was to put the Society in a better position to use its influence in promoting this object. The Society is not involved directly in the

negotiations over the remuneration of hospital pharmacists but the Council are well acquainted with the problem and are assisting in various ways to effect a much needed improvement.

" Poisons and T.S.A. Guide "

THAT it is the opinion of this meeting that the Society's "Poisons and T.S.A. Guide" should be published in January of each year in a form allowing corrections and alterations to be made to it, the necessary alterations and corrections being published as and when necessary in the Pharmaceutical Journal.

This motion was referred to the Council. The motion is generally in line with Council policy, but the requirement to publish in January of each year might not be practicable because the need for a new edition depends among other matters on the depends, among other matters, on the number of changes that occur. In the edition published in August the extended poisons list is printed with ample margins to allow for amend-ments and additions to be written. Also, cumulative amendments and additions are now being published each month in the Society's Journal.

Other Subjects

The Council states that the resolutions on the following subjects are still being considered:—Dispensing proprietary medicines; poison classifica-tion on labels; rural dispensing; branch managers' responsibilities; dispensing by health centres; and control of aspirin. (For texts and discussion on the resolutions, see C. & D., May 30, p. 540— EDITOR.)

A United Front

THAT it is the opinion of this meeting that National Health Service contractors, hospital pharmacists and academic pharmacists be asked to form representative committees within their local Branch in order to lay down the basis of strong and united fronts in their dealings with the Ministry of Health.

The rôle of the Branch to take into account sectional interests was mentioned in the statement on unity issued by the Council in 1962. It is part of a wider scheme to bring about a more effective Branch system which the Council have had under discussion. It is hoped to make progress in the matter shortly.

HOUSE OF LORDS TETRACYCLINE APPEAL

Arguments on what is covered by "Services of the Crown"

CONTINUING the appeal by the Pfizer Corporation in the House of Lords against the dismissal of their application for a declaration that section 46 (1) of the Patents Act, 1949, did not empower the Minister of Health to authorise the provision in National Health Service hospitals of patented drugs and medicines obtained from sources other than the patentees or their licensees, or the sale to the Ministry of drugs obtained from such sources (see C. & D., November 14, p. 491), MR. D. ACKNER, Q.C., for the Corporation, said that, until September 1961, tetracycline used in National Health Service hospitals had been obtained from Pfizer, Ltd., an English subsidiary of the main corporation. In May 1961 the then Minister of Health announced that, as a matter of policy, he proposed to use the powers under section 46 (1) to obtain certain patented drugs from sources other than the patentees or their licensees. Tenders were invited and Fraser Chemicals, Ltd., offered to supply tetracycline made in Italy by an unlicensed company. Mr. Ackner said that Messrs. Fraser did not carry on pharmaceutical research or the manufacture of pharmaceutical products. They had not continued with the contract, and Direct Pharmaceutical Supplies, Ltd., a similar sort of company, were now importing the drug from Poland. He stressed that the main question was whether the use of tetracycline in the treatment of members of the public in N.H.S. hospitals could be said to be an act done for the services of the Crown within the meaning of the section.

When Lord Reid (one of the five Law Lords) spoke of the difficulty of deciding whether use of a particular invention was for the services of the Crown or for the benefit of the public, Mr. Ackner submitted that section 46 was never intended to enable the Crown to use an invention by distribut-

ing it to third parties for their use and benefit. Such a use would be a use for the subjects of the Crown and not for the services of the Crown. He conceded that there was a use of the patented invention in this case by a Government department, because the Minister had the duty to provide the hospital services. But there still remained the issue whether such a use was for the services of the Crown. "By whom the use is made is of little import," he said. "The question is for whom the use is made." On November 16, Mr. Ackner dealt with Messrs. Pfizer's claim that the Ministry's authority to Fraser Chemicals, Ltd., could not authorise the mere sale of the tetracycline to the Ministry. Under section 46 (1) Messrs. Fraser could be authorised to "make, use and exercise" the invention and, if there had been any "use," the sale would, by implication, have been authorised. But the section could not be used to authorise the sale in isolation.

LORD REID: Is the point that, if you get the declaration you are asking for, it puts Frasers in the wrong because they have infringed by selling and you then take proceedings against

MR. ACKNER: That is so. My point is that the Ministry's purported authority was a bad authority

Lloyd-Jacob, Justice Mr. Ackner pointed out, had granted the Corporation a declaration that the authority given to Messrs. Fraser by the Minister was not within his powers. That view, however, had been over-ruled by the Court of Appeal.

LORD REID: It would have been all right if Frasers had chosen to make the tetracycline in this country, but they chose to import from abroad?

COUNSEL: Yes.
SIR PETER RAWLINSON, Q.C., for the Ministry of Health, contended that, since the provision of hospital and specialist services in the National Health Service was a duty imposed on the Ministry under the National Health Service Act, 1946, the supply and administration of medicines, including patented medicines, to patients in such hospitals were "for the services of the Crown." The fact that patients derived benefit from receiving such medicines was irrelevant and immaterial. It did not mean that the use of the medicines was not a use "for the services of the Crown,

LORD REID said it was conceded that many things benefited both the services of the Crown and the patient, and that it was necessary to see which was predominant. "If you say that everything done by a Crown servant or agent in the course of his duty is done 'in the services of the Crown' it opens the services of the Crown' it opens the door tremendously wide," added Lord Reid. "That is a matter of common sense and that is the argument against you that appeals to me most.

In answer to a question from Lord Reid, counsel said that, if a chemist refused to supply a drug or medicine prescribed by a hospital except on payment of the appropriate charge, would mean a breach of duty by the Minister whose duty was to provide the necessary medicines or drugs.

In reply to another question, Sir Peter said he was instructed that there was no arrangement with the hospitals by which a chemist supplying medicines on a hospital prescription was in a better position than a chemist supplying on a general practitioner's prescription. A chemist was entitled to insist on payment of the charge before handing over the medicine or drug. The hearing was adjourned after a short reply from MR. ACKNER for the Corporation on November 18 their lordships reserved judgment.

LEGAL REPORTS

Thefts by Cleaners

Two women employees of a cleaning company under contract to The British Drug Houses, Ltd., Graham Street, London, N.1, appeared at Old Street magistrates' court on November 3 on charges of theft. Lilian Goodings was ordered to pay £10 at £2 a week for stealing thirty-six tablets of soap, valued together at £2 5s. Mrs. Nancy Moody was fined a total of £40, to be paid at £2 a week, for stealing thirty-six tablets of soap, eighteen tins of baby powder, sixteen bottles of shaving lotion, two bottles of shampoo, and other items.

Dangerous Drug Offences

A DOCTOR prescribed drugs for a woman, but she never received the quantities prescribed, it was stated at Southport magistrates' court on November 11, when Dr. Francis Kitchin, of 41 Waterloo Road, Southport, pleaded guilty to nine offences of procuring drugs other than by the regulations. He was fined £25 on the first offence and £1 on each of the others and was ordered to pay £10 10s, costs. For the prosecution it was said that on February 26, Mrs. Ellen Caulfield, aged ninety-five of 43 Trafalgar Road, Birkdale, fell and was put to bed. Dr. Kitchin prescribed injections of Physeptone. He gave some injections and

others were given by nurses. Between February 27 and May 2 Mrs. Caulfield was injected with the equivalent of 70 ampoules, Between February 28 and May 2, Dr. Kitchin prescribed 148 ampoules, which should have been ample. But between May 9 and June 22 he prescribed a further 70 ampoules. Medical evidence was put forward that if Mrs. Canfield had in fact

been injected with the quantity prescribed by Dr. Kitchin, it would have killed her. For the defendant it was stated that he had one previous conviction relating to drugs. A report given to the magistrates showed that Dr. Kitchin was a sick man. The chairman said the bench was very sympathetic and prepared to take a lenient course.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

THE Consumer Council was the subject of a debate initiated by BARONESS ELLIOT in the House of Lords on November 12. LADY ELLIOT said the Council had been discussing with the Ministry of Health the provision of deaf aids. One in every ten persons had a signifi-cant hearing defect, and it had been estimated that 1½ million people could be helped by hearing aids. During 1963 nearly 15,000 aids had been supplied under the National Health Service but, "judging from the number of firms promoting commercial hearing aids, there was a large and expanding market for privately promoted aids. Consumer Council urged that no hearing aid should be sold unless the deaf person had had his deafness medically examined, and that persons who fitted commercial hearing aids should be qualified in the same way as those who operated under the National Health Service. Manufacturers should be registered to ensure fulfilment of those conditions. The Council considered there should be a lighter, less bulky alternative to the Medresco aid available under the National Health Service.

Shopping Hours

BARONESS ELLIOT referred to shopping hours. The Consumer Council realised that the standard number of hours in the five-day week must be adhered to, but she went on, "When we think of the 24¹/₄ million people who are gainfully employed for at least five days a week we realise that they must shop on Saturdays or late on weekdays." Council suggested revising the Shops Act to enable shopkeepers who wished to do so to open for six days a week. "The decision in the case of individual shops should be left to the discretion of the proprietor, in accordance with his ability to secure part-time staff and reliable alternative supervision to fulfil his wants." The Council had also given consideration to the question of misleading advertisements. In a survey of a number of newspapers 120 examples had been found that seemed to contravene the code of advertising practice. The Council planned to introduce a national informative labelling scheme, varying the label according to the goods involved and worked out with industries prepared to co-operate in the scheme. Lord Peddie spoke of the tremendous importance of the Merchandise Marks Act and said that the Consumer Council had been asked to make comments on Board of Trade proposals for revising the Act. One recommenda-tion had been that the Act should include a broad definition of trade descriptions to cover instances in which vague claims were made in imprecise

terms. The Council believed that the falsity of such claims should be judged by their cumulative effect on the buyer whether that was achieved by fact, implication or omission. "For example, medical preparations rely on the implication that the vitamins or hormones included in the product will bring certain benefits." Whilst in some claims there might be a grain of truth, the wider implications the makers had successfully put across are often quite unfounded. A soap advertised by a plain honest statement that it was good for washing the skin might be sold at a normal price, but sometimes the impression was created that the user would be given beauty. The purchaser might then be asked to pay ten times the price for the same product. "It may have a different smell, but the poor consumer suffers." BARONESS GAITSKELL said "The other day I bought a small bottle of pills. The price had gone up from 3s. to 3s. 6d. and, to add insult to injury, the small and convenient container had been scrapped and a clumsy little package substituted, with each pill hermetically sealed in plastic paper." She described the "beastly plastic wrappings" as unnecessary and calculated only to raise one's blood pressure. LORD REA referred to a previous occasion when he had tried to get extended shopping hours allowed but had been "mowed down." He agreed He agreed that the first consideration was that shop assistants should be totally safeguarded, but it was clear there was a great demand for longer hours so long as they were controlled. LORD RHODES (Parliamentary Secretary, Board of Trade) said the Government was still enthusiastic about consumer protection. "We are not against manufacturer and seller, but against abuses by them.

Lysergic Acid Diethylamide

CAPTAIN H. B. KERBY asked the Minister of Health what quantities of lysergic acid diethylamide (LSD) he had purchased for use in hospitals under the National Health Service. SIR BARNETT STROSS (Parliamentary Secretary, Ministry of Health), in a written reply on November 13, said "None." A few hospital authorities purchased the drug in small quantities "from a firm which imports all its supplies."

Potash Imports

MR, J. A. STODART asked the Chancellor of the Exchequer on November 10 if he would give an estimate of the extra cost to the agricultural industry of the 15 per cent. surcharge on potash. MR. NIALL MACDERMOT (Financial Secretary, Treasury) said that in a full year the levy imposed by the charge

would amount to approximately £1.5 millions. It could not be estimated how much of that would be passed on to the agricultural industry. Mr. Stodart: "Why have the Government imposed this charge on what is virtually a raw material and one which cannot be produced in this country? Unless it is imported, food production will fall. Did you consult the Minister of Agriculture and the Secretary for Scotland before taking this precipitate action?" Mr. MacDermot replied that potash was not excluded because it did not fall within the category of raw materials "but representations have been received about it and many other cases for exemption."

Responsibilities

MR. SCOTT-HOPKINS asked the Prime Minister why the responsibility for matters concerning the Shops and Factories Act had been transferred to the Ministry of Power.

MR. HAROLD WILSON (Prime Minister) told MR. J. S. R. SCOTT-HOPKINS that the Minister of Labour was still concerned with the Factories Act, 1961, and the Offices, Shops and Railway Premises Act, 1963, and the Home Secretary with the Shops Act, 1950.

Organochlorine Pesticides

MR. T. DALYELL asked the Secretary for Education and Science on November 10 what action the Government proposed to take on the recommendations made by the Advisory Committee on Pesticides and other toxic chemicals in its supplementary report on certain organochlorine pesticides published recently. MR. MICHAEL STEWART (Secretary for Education and Science) said that with his colleagues in the Agriculture Departments he accepted the Committee's recommendations in their entirety. He was glad to be able to say that assurances of cooperation in the implementation of the recommendations, through the voluntary Pesticides Safety Precautions Scheme, had been received from the manufacturers and other interested organisations.

Prescription Charges

Replying to SIR DEREK WALKER-SMITH on November 6, Mr. K. Robinson (Minister of Health) said the Labour Party had indicated during the Election that it intended to restore a completely free National Health Service so rapidly as possible. He added: "That remains my policy and as an earnest of that, the prescription charges are going to be withdrawn shortly."

Llanhilleth

MR. LLEWELLYN WILLIAMS asked the Minister of Health if he was aware that there was no "prescribing chemist" in Llanhilleth and if he would take steps to remedy this. SIR BARNETT STROSS (Parliamentary Secretary, Ministry of Health), in a written reply on November 16, stated: "Yes, but I understand that the chemist in the village has just applied to the Monmouthshire and Newport Executive Council for readmission to the pharmaceutical list and will be resuming the dispensing of Health Service prescriptions today."

COMPANY NEWS

Previous year's figures in parentheses

JEYES SANITARY COMPOUNDS CO., LTD.—Mr. K. R. Kemp has been elected to the board. He is also a director of Smith & Nephew Associated Companies, Ltd.

SAVORY & MOORE, LTD. — A dividend of 13½ per cent. is declared for the year ended March 31, representing a rise of $1\frac{2}{3}$ per cent. over the previous year's adjusted figure. Net profit after tax increased by £16,000 to £122,000, while capital profits of £111,000 from sale of assets have been added to reserve.

COOPER McDOUGALL & ROBERTSON, LTD. (subsidiary of Wellcome Foundation, Ltd.).-Dividend is 10 per cent. for year ended August 31 (same). Group profit before tax but after exchange losses of £43,346 (£37,255) and including exceptional prolosses of £43,346 fits of £23,686 (£17,415), was £765,250 (£533,792). Tax was £429,476 (£272,457), including £277,540 (£217,249) overseas, and after double tax relief £151,100 (£166,700). Net profit £335,774 (£261,335).

BEECHAM GROUP, LTD.—Group sales for the half-year ended September 30 totalled £32,373,000 (against £30,193,000 in the corresponding period of 1963). Group trading profit including royalties, was £5,675,000 (£4,751,000). Profit before taxation, £5,473,000 (£4,548,000). Profit after taxation estimated at £2,975,000 (£2,300,000), is £2,498,000 (£2,248,000). Losses of subsidiaries attributable to minority interests were £38,000 (£6,000). The group's confectionery business was sold on July 31 and the 1964 figures therefore include only four months' confectionery sales (£1,071,000) compared with six months' sales (£1,626,000) in 1963. An interim dividend of 9 per cent. is declared on account of the year ending March 31 (against 8 per cent.).

GLAXO GROUP, LTD.—In his review accompanying the accounts for the year ended June 30, the chairman (Sir Alan Wilson), states that the company has not been affected by the Ministry of Health's resort to Section 46 of the Patents Act to acquire pharmaceutical goods more cheaply from foreign sources. Nevertheless, he roundly con-demns an action which "can only give comfort to those competitors who, un-hampered by patents, can avoid the innovator's costs of research.

Sir Alan remarks that in the U.K. the market is not expanding to the same degree as overseas and the opportunities depend largely on the discovery of new and more efficacious drugs. Although innovation in the pharmaceutical industry is not proceeding at the same rate as in the last two decades, it is still substantial. During the past year the company brought some of its discoveries to fruition and it is hoped to introduce further new products in the next year or so. "Much time" has been spent in studies concerned with the rationalisation of production within the group.

Group sales to external customers increased by £9 millions to £64 millions with the corresponding trading figure rising from £7.75 millions to £9.15 millions. There was a general increase in

overseas sales with little change in individual profit margins, whereas in the U.K. there was severe pressure on profit margins due to reduced prices, increased cost of raw materials and wage increases. It is intended to declare a 6 per cent, interim dividend in April 1965 on capital as increased by the proposed one-for-four scrip issue. Dealing with the various companies within the group, Sir Alan mentions:

Glaxo Laboratories, Ltd., and Glaxo Research, Ltd.—Turnover and profits increased 11 per cent. "A leading American pharmaceutical house is now marketing Glaxo's B.C.G. vaccine in

Allen & Hanburys, Ltd .- Demand increased, though higher costs narrowed profit margins in many countries. New products from research "will shortly begin to contribute to the turnover and profitability.

Evans Medical, Ltd.—Sales of wholesaling division showed a substantial

increase.

Edinburgh Pharmaceutical Industries, Ltd.—"The year has been an active and successful one."

BUSINESS CHANGES

S. R. VAN DUZER & SON, LTD., have removed to 89 Easton Street, High Wycombe, Bucks (telephone: High Wycombe 30781).

GRIFFIN & GEORGE, LTD., have transferred their publicity, marketing and public relations departments to Lyon House, Lyon Road, Harrow, Middlesex (telephone: Harrow 7268).

BERK PHARMACEUTICALS, LTD.. are transferring all their departments to new premises at Catteshall Lane, Godalming, Surrey (telephone: Godalming 3091) on November 30.

THE Export Credits Guarantee Department has opened a new office at Empire House, St. Martin's le Grand, London, E.C.1 (telephone: Monarch 4581) to handle the business of exporters in the E.C.1 and North areas of London, and the counties of Bedfordshire, Cambridgeshire, Huntingdon-shire, Norfolk, Suffolk and also North Hertfordshire.

Appointments

IZAL. LTD., Thorncliffe, Sheffield, have appointed Mr. Dennis Spurr their sales promotion manager for the Midlands.

PREMIER COLLOID MILLS, LTD., Hersham Trading Estate, Walton-on-Thames, have appointed Mr. L. Norris their home sales manager.

DENDRON DISTRIBUTORS, LTD., 94 Rickmansworth Road, Watford, Herts, have appointed Mr. F. R. Sterling their area supervisor for South-East England.

ROUSSEL LABORATORIES, LTD. Columbus House, Wembley Park, Middlesex, have appointed Mr. L. N. Cooke, an assistant to sales management; Mr. D. Buxton, area manager for the North-east: Mr. J. B. Evans, area manager for Southern England.

THE Gelatine and Glue Research Association have appointed Dr. A. Courts as director of research who will

join the Association at the beginning of December. He succeeds Dr. D. A. Sutton, the Director of Research since 1959, who is leaving at the end of December to take the chair of chemistry at the University of Basutoland, Bechuanaland and Swaziland.

PERSONALITIES

DR. J. M. ROWSON, Ph.D., M.Sc., F.P.S., who has been nominated pro-

fessor of pharmacy by the governing body of the academic advisory committee of the Bradford Institute of Technology (the pro-posed University of Bradford), has been head of the Institute's phar-



macy department since July 1960.
A native of Louth, Lincs, he graduated at Manchester University, where he served for a time as assistant lecturer. In 1944 he was appointed head of the pharmacy department, Sunderland Technical College, and in 1949 was appointed curator of the museum of the Pharmaceutical Society. In 1957 he went to Nigeria as head of the pharmacy department, Nigerian College of Technology, Ibadan, returning to England in 1960.

MR. N. P. NEWTON, who was recently appointed managing director

of Bristol Labora tories, Ltd., will be responsible for the expan-sion of this subsidiary of the American Bristol Myers Inc., Syracuse, New York, in United K the Kingdom. Mr. Newton has been associated with the British pharmaceutical in-



dustry for the past thirteen years, having been with Lederle Laboratories, division of American Cyanamid Co., as general manager and earlier as a member of the board of Smith & Nephew Pharmaceuticals, Ltd. Mr. Newton became an Associate of the Royal Institute of Chemistry in 1952 and was elected a Fellow in 1958. At that time he was also elected a Fellow of the Royal Society of Medicine. He has been active in the Association of the Pharmaceutical Industry chairman of a subcommittee which was engaged in studying and recommending upon the importance of brand names to doctors.

MR. T. W. HOWARD, F.R.I.C., who is in charge of industrial relations of the Laporte group of companies, has been elected chairman of the finance committee of the British Standards Institution in succession to Mr. A. D. Bonham-Carter. Mr. Howard joined the family business, Howards & Sons, Ltd., in 1939, and was successively works manager, managing director, and chairman until his company was merged with Laporte Industries, Ltd., in 1961.

with Laporte Industries, Ltd., in 1961. DR. M. PERELMAN, who has been appointed managing director, Lilly Research Laboratories, Ltd., Bromborough, Ches. succeeds Dr. M. V. Sigal, jun., who has relinquished the post for reasons of health. Dr. Perelman holds degrees from North-western University, Illinois, and Rice University, Texas, U.S.A.; he has also undertaken post-doctoral research in Zurich, Switzerland. At thirty-four, Dr. Perelman is the youngest managing director of the four Lilly operating divisions in the United Kingdom.

OVERSEAS VISITS

MR. D. MONTGOMERY (a director of Yardley International, Ltd.), has set off on a month's visit to the Caribbean and South America. He is due to arrive back in London on December 16.

MR. W. E. LUSTY (managing director, Lusty's Natural Products Co., Ltd.) is shortly leaving for South Africa and Southern Rhodesia to call on the company's present and prospective agents.

MARRIAGES

JAMIESON—DUNN.—At St. Paul's Church, Milngavie, Glasgow, on November 9, Ronald MacLennan Jamieson, 21 Talla Road, Glasgow, S.W.2, to Eileen Terris Dunn. M.P.S., 22 Braefoot Avenue, Milngavie.

DEATHS

BYRNE.—On October 28, Mr. Patrick Byrne, the popular hall porter of the Pharmaceutical Society of Ireland. "Paddy," as he was familiarly known to all, was an "institution" around the College and many pharmacists have occasion to remember his unfailing kindnesses since their student days. He had been a member of the College staff for twenty-nine years. A colleague writes: Paddy was the soul of kindness, always willing to oblige. He went out of his way to help all who came with inquiries to the College. No matter the inconvenience or how late the hour he always looked after the wants of all at the College and his cheerful presence will be sadly missed. He could be said to have died almost in harness— as he would have wished. The night before his passing he locked up the premises after a student function and was taken seriously ill next morning. He died in hospital a few hours later. Somehow the College will not be the same without the familiar figure in the resplendent livery and his unobtrusive but effective presence will be greatly missed.

CHISWELL.—On November 8, Mr. James Douglas Chiswell, 39 The Highway, Sutton, Surrey, aged sixty. Mr. Chiswell was from 1950 managing director of Bayer Products, Ltd., and of Winthrop Products, Ltd., and Sterling Drug International, Ltd., until his recent retirement.

Mr. R. O. M. Edenborough writes: Though he had retired, the sudden death of "Doug" Chiswell came as an unexpected and grievous blow to his former colleagues and many friends in

the pharmaceutical industry. He joined the Sterling Drug organisation in 1945 as travelling auditor for the major South American countries. A man of the highest integrity and of outstanding ability, he directed the companies with wisdom and efficiency, and contributed materially to the expansion of the group's interests in Britain and Western Europe. Doug Chiswell was of a retiring nature, and only those who were closely associated with him knew his kindliness, his inate sense of fairness, and his good humour. Whatever he undertook he did well. He will be mourned by his former colleagues and staff and his many friends. Our deepest sympathy goes to his widow, Anthea, and to his children, Carol, Richard and Frances.

DALE.—On October 24, Mr. Charles Dale, M.P.S., 8 Pall Mall, Chorley, Lancs. Mr. Dale qualified in 1923.

DAVIDSON.—Recently, Mr. Alexander Davidson, Glencormack, co. Wicklow, Eire, aged sixty-three. Mr. Davidson was a director of May, Roberts (Ireland), Ltd. He had been with the company for forty-six years.

EVANS.—On October 30, Mr. Evan Lewis Evans, M.P.S., Bronygraig, Bala, Merioneths. Mr. Evans qualified in 1899.

HICKSON.—On October 29, Mr. Oliver Ernest Hickson, M.P.S., 22 Sheepfold Road, Guildford, Surrey. Mr. Hickson qualified in 1908.

JONES. — On November 7, Mr. Harry Jones, M.P.S., 214 High Street North, London, E.6. Mr. Jones qualified in 1911.

McELHINNEY. — Recently Mr. Hugh McElhinney, 122 North Circular Road, Dublin, Eire. Mr. McElhinney qualified as a druggist in 1924 and was engaged in the wholesale section of the pharmaceutical industry in Dublin for most of his professional life.

NOWELL. — Recently, Mr. Thomas Stanley Nowell, M.P.S., Straits Lane, Read, nr. Burnley, Lancs. Mr. Nowell qualified in 1920 and had been in business in Darwen Street, Blackburn, for forty-five years. He had been a member of the Blackburn Pharmaceutical Committee since 1957, and was its chairman, 1954–63. He had also been chairman of the Pharmaceutical Committee and the North-east Lancashire Branch of the Pharmaceutical Society. A native of Burnley, Mr. Nowell served as a dispenser with the Royal Army Medical Corp in Salonika in the 1914–18 war and was a member of the Home Guard at Padiham during the 1939–45 war. His great hobby was photography. He is survived by a widow and a married daughter.

RICHARDS.—On November 3, Mr. Charles Samuel Richards, 77 Metchley Lane, Harborne, Birmingham, aged eighty-seven. Mr. Richards qualified as a chemist and druggist in 1904 and retired in 1959.

RYAN.—Suddenly on November 9, Mr. Martin Ryan, M.P.S.I., 8 Windsor Road, Rathmines, Dublin, Eire. Mr. Ryan, who qualified in 1934, conducted a successful pharmacy in Rialto. Interested in all aspects of pharmacy and in a variety of professional activities, he was a prominent member of the pharmacy branch of St. Joseph's Young Priests' Society. A native of co. Tipperary, he had been educated at Mount St. Joseph's, Roscrea, and had served his apprenticeship in Kennellys' pharmacy, Tralee. Mr. Ryan is survived by his widow and two children.

SANDHAM.—Recently, Mr. Robert George Sandham, M.P.S., 13 Rowton Grange Road, Chapel-en-le-Frith, Derbys. Mr. Sandham qualified in 1947 and was employed at the Whaley Bridge, Derbys, branch of the Whaley Bridge and Buxton Co-operative Society, Ltd.

SHORT.—On November 3, Eileen Isobel Short, B.Pharm., B.Sc., Ph.D., F.P.S., F.R.I.C, Department of Physiology, Chelsea College of Science and Technology, London, S.W.3. Dr. Short graduated from the School of Pharmacy, Brighton Technical College and, subsequently, worked in the chemotherapy section of the pharmacology department of the Wellcome Research Laboratories, Beckenham. In 1954, she joined the staff of the physiology departments, Chelsea College of Science and Technology, as senior lecturer. Dr. Short was a member of the board of examiners of the Pharmaceutical Society of Great Britain.

TRAINOR.—On November 5, Mr. John William Trainor, M.P.S., 43 Florence Avenue, Astley Bridge, Bolton, Lancs. Mr. Trainer qualified in 1930

WARD.—On November 3, Mr. Albert James Ward, M.P.S., c/o Bramley, Chew Lane, Chew Stoke, nr. Bristol. Mr. Ward qualified in 1923.

WOODS.—Recently, Professor D. D. Woods, F.R.S., Iveagh Professor of Chemical Microbiology, University of Oxford. Professor Woods with Sir Paul Fildes investigated bacterial nutrition and developed the hypothesis that the action of substances essential to bacterial growth could be prevented by compounds related in chemical structure. Later Professor Woods was concerned with the rôle of bacteria in the bio-synthesis of amino-acids.

INQUESTS

Medicine-cupboard Tragedy

THE danger of having poison in medicine bottles with wrong labels was stressed by the deputy coroner at Liverpool on October 30 at an inquest on a two-year-old child at Huyton. The consultant pathologist at Alder Hey Children's Hospital said that death was due to neurosis of the brain following broncho-pneumonia due to turpentine intoxication. Recording a verdict of accidental death, the deputy coroner said it would be useful to publicise the danger of putting harmful liquid into ordinary medicine bottles without removing the original labels. There had been three different bottles in the medicine cupboard and the child had climbed up to the top shelf and taken the one containing turpentine. Even after the child had drank from the bottle and was ill, it was not realised until later what liquid she had drunk.

NEW PRODUCTS AND PACKS

PHARMACEUTICAL SPECIALITIES

A New Strength.—Lederle Laboratories division, Cyanamid of Great Britain, Ltd., Bush House, Aldwych, London, W.C.2, are introducing a 300-mgm. strength of Ledermycin tablets. Indications are as for the 150-mgm. strength but for average infections the dosage is reduced to one tablet twice daily. Packs are containers of sixteen, 100 and 500 tablets.

OVER-THE-COUNTER MEDICINALS

Handier for Carrying. — Meggeson dyspepsia tablets are now packed in a larger, slimmer tin that contains more tablets, slips more easily into the pocket or handbag, and has rolled edges to make opening easier. There is a new selling price. Manufacturers are Meggeson & Co., Ltd., Penarth Street, London, S.E.15.

COSMETICS AND TOILETRIES

Autumn Colours of a Manufacturer.—Estee Lauder Cosmetics, Ltd., 18 Davies Street, London, W.1, predict that the "upcoming" colours for the coming season will be browns, fresh "outdoors" shades, camel, tobacco and clear new beiges. The company's own plan for the season provides for three new shades for Hydrotone make-up foundation. They are new beige, medium beige and tan beige. The new colours, it is claimed, will "give a delicate radiance, a lovely youthful sheen." They will also provide an ideal innovation "colour contour," described as "not a rouge but a luminous colour with a brush to create the bones that shape the face to new beauty." "Colour contour" is in "tender blush," "tender peach" and "tender brown" shades. Also introduced are three new shades of eyeshadow stick: "antique bisque," "fresh beige" and "smoke brown."

An "Elegant" French Perfume in Britain. — Parfums de Paris, Ltd., 134 Fulham Road, London, S.W.10, are distributing in Britain for Parfums Hermès, Paris, their Calèche perfume and associated products. Calèche is described as "a superbly well-balanced fragrance—sophisticated, subtle, completely feminine and so versatile that it is used on all occasions. The packaging is outstanding in its simplicity and elegance." The name Calèche was chosen to suggest the setting in which fashionable women travelled in vehicles known by that name. The

vehicles were first used in England in about the year 1800, and were then described as barouches. Calèche, which is made, bottled and sealed in

FRENCH SERIES
NOW IN BRITAIN:
Items in the Calèche
range marketed in
Britain by Parfums de
Paris, Ltd., London,
S.W.10. Left to right:
Calèche perfume, atomiser and Cologne.

France, is available in perfume and eau de Cologne, the perfume in ½-oz. to 4-oz. standard and 1-oz. and 4-oz. de luxe presentations; and in ¼-oz. and 1-oz. perfume atomisers; the Cologne in 4-oz. to 16-oz. bottles.

A New Hair Spray.—Richard Hudnut, Ltd., Eastleigh, Hants, have brought out a new, light hair spray with special soft-pressure aerosol. The aerosol has a low-delivery valve that is understood to give a more gentle spray, enabling it to be held closer to the head without flattening soft, fine hair, and so causing less spray to be



wasted in the atmosphere and reducing risk of inhaling the spray. There are 8-oz. and 6-oz. aerosol packs, and a handbag-size "squeeze" pack with a streamlined outer cap to match the aerosol packs. The packs are in bronze, with violet and black motifs and white streamlined caps.

New Products in a Series. — Two products added to the Renaissance treatment collection of Revlon International Corporation, 86 Brook Street, London, W.1, are described as "timely additions to help ward off the ravages of winter weather to come." Moon Drops nourishing night cream is a medium-consistency night cream that helps to prevent moisture loss and to hold moisture brought to the skin. It specially recommended by makers for relieving flakiness and surface dryness, "so often the legacy of central heating and sudden changes of temperature." The cream is in 1 oz. and 2-oz. containers. Moon Drops body massage lotion has been formulated to help produce the flawless skin needed for "today's fashion dictates; the sleeveless dress, the decolletage that is 'U'd or 'V'd to the 'nth' degree, skirts shorter than ever and feet in open sandals." The lotion is in 4-oz. and 7-oz. containers.

SUNDRIES

"Big Size" Insulated Tumblers.—Insulex, Ltd., 67 Westbourne Grove, London, W.2, have introduced a 12-oz. insulated tumbler similar in design to



their award-winning 10-oz. capacity model, but $1\frac{1}{2}$ in. taller. The new tumbler is available initially in alpine blue, ruby red and luxury gold shades. The pack is a gift box of six from which the tumblers may be sold separately.

Stand for Refuse-disposal Unit.— Since Garbins, Ltd., Tileyard Road, York Way, London, N.7, put their Garbina refuse-disposal units on the market four years ago, they have been taken up all over the country by house-



wives, hospitals, schools, factories, etc. Latest development for housewives is a neat stand for the small Garbina model 1.



"Gift-wrapped" in Readiness.—One of the Pierre Cardin perfumes packs which customers may buy already gift-wrapped is here illustrated. All the customer has to do is write greetings on a

card attached to the pack. Inside, the

handbag atomiser, in gold and white stripes reposes in a cocoon of golden tan silk. Outside, its box is presented in Christmas wrappings and gold ribbon. Suppliers are Concorde Perfumery and Cosmetics, Ltd., 94 Rickmansworth Road, Watford, Herts.

Discontinued. — Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham, have discontinued issuing the 25-tablet size of Melsedin, 150-mgm.

Now Tax-free.—Riker Laboratories, Morley Street, Loughborough, Leics, announce that all packs of Norgesic tablets are now exempt from purchase tax.

Change of Source.—The distribution of Collo products in the United Kingdom has been taken over by Osborne-Peco, Ltd., 15 South Wharf Road, London, W.2. Collo (England), Ltd., being in liquidation.

"Magnum" Size. — Sunsilk shampoos for normal and greasy hair are available in "magnum" size bottle containing 120 c.c., in addition to the sachet and small bottle. Makers are Gibbs Pepsodent, Ltd., Hesketh House, Portman Square, London, W.1.

Distributed by the Makers.—Stafford-Miller, Ltd., 166 Great North Road, Hatfield, Herts, point out that though, as wholesalers, Fassett & Johnson, Ltd., handle all Stafford-Miller products, they are no longer "special distributors" for any of them.

Approval for an Appliance.—Latest list of appliances to have received the endorsement of the British Electrical Approvals Board includes the hairdryer No. XHD7 of Sunbeam Electric, Ltd., 14 Old Quebec Street, London, W.1.

Product Success.—P. C. Paton (Southport), Ltd., P.O. Box 5, 1a Peets Lane, Southport, Lancs, report that their counter unit of six bottles of Paton's nail hardener proves the product "one of the most successful lines ever offered." The product is receiving national advertising support.

£5,000 in Baby Food Prizes.—In a £5,000 "nest-egg" competition for

TRADE NOTES

Gerber baby foods (distributors: Brown & Polson, Ltd., 125 Strand, London, W.C.2), there are five first prizes, each of £1,000. Every entrant has to buy up to twelve Gerber baby foods. The retailer from whom the purchase is made has five chances of winning a special £50 retailer prize.

A Reprint Service.—The clients of Elga Products, Ltd., Lane End, Bucks, have been informed that the company operates a reprint service covering the theme of ion-exchange theory, technique and application. Also available through the company's librarian is an extensive library on the subject of ion-exchange in all its aspects, including published material from countries so far apart as Japan and Portugal.

Marketing Change.—From December 1, Fennings' fever mixture is being manufactured and distributed by J. Waterhouse & Co., Ltd., Church Street, Old Square, Ashton-under-Lyne, Lancs. All Fennings preparations other than fever mixture will continue to be manufactured and distributed by J. Sanger & Sons, Commerce Way, Lancing, Sussex. Assorted orders that include fever mixture can no longer be supplied, but minimum orders for carriage-paid Fennings preparations to wholesalers and retailers have been reduced by approximately 50 per cent.

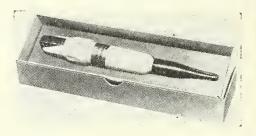
First-aid to Meet New Law.—Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham, point out that, so far as first-aid requirements are concerned, the Offices, Shops and Railway Premises Order becomes effective on



December 1. To help chemists to familiarise themselves with the requirements and exceptions the company has prepared a memorandum listing all essential information in a readily understandable form. Copies are available to the company's customers on request. Messrs. Cuxson, Gerrard state that they hold stocks of outfits covering all requirements, and at present can meet a fair demand. The example illustrated is No. A12, a kit conforming to "contents No. 1" requirements. Also available from the company are supply order forms for handing to prospective customers.

To Liven a Quiet Period.—During the early weeks of every year when departmental stores and shops hold their sales, pharmacies usually have to sit quietly by because their merchan-dise and style of business do not normally lend themselves to bargain-sale techniques. With that situation in mind Max Factor Hollywood and London (Sales), Ltd., 16 Old Bond Street, London, W.1, have a "Bargain in Beauty offer (three products from the company's Skin Care range that provide a compact but complete skin-care treatment) for only 19s. 6d., representing a saving of 23s. from the normal combined retail prices of the products, namely double-action cleansing cream, active moisturiser and "Cup of Youth." The products are being presented in modern squeeze-type tubes in lightweight composite window-fronted pack. The project is a once-only offer for a period immediately after Christmas.

Now in Gift Box.—The Sparklets Corkmaster bottle-cork releaser is now available in rigid presentation box with white body and glossy red lid. A



vacuum-formed red polystyrene insert holds the Corkmaster in position when the lid is closed. The price is unchanged. Makers are the British Oxygen Co., Ltd., Hammersmith House, London, W.6.

No increase in Prices.—Lawson & Co. (Merchants), Ltd., Park Hall, London, S.E.26, who are sole United Kingdom and European distributors of Polytemp mugs, jugs, etc., state that no increase is being made in prices of products of the range while current stocks last, and that every effort is being made to keep prices at their present levels throughout the whole period of the 15 per cent. surcharge recently imposed.

Bonus Offers

AYRTON, SAUNDERS & Co., LTD., Liverpool. Coterpin elixir. 20s. extra profit on order for four 2-litre winchesters. Till December 31.

RADIOL CHEMICALS, LTD., 78 Upper Richmond Road, London, S.W.15. Autumn bonus (10 per cent. extra on £3 order, excluding tax) terminates November 30.

Premium Offers

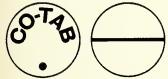
A CHRISTMAS party-time offer of Sunsilk hair spray enables the 8-oz, can to be bought by the customer for 6s. 6d, instead of the usual 9s. Sunsilk hair spray is understood to contain a new fixative, Dicryn, which holds the hair firmly in place without, it is claimed, giving a "lacquered look." It is claimed suitable for all types of hair, and not to be affected by climatic conditions. Manufacturers are Gibbs Pepsodent, Ltd., Portman Square, London, W.1.

IDENTIFIABLE TABLETS

Manufacturer reports success in area test of coding system

ENOUGH evidence has been accumulated in a trial among general practitioners in the counties of Kent, Sussex, Surrey and Hants to show that the new Co-tabs range of coded tablets manufactured by Arthur H. Cox & Co., Ltd., Brighton, and marketed through their associated "ethical" company, Continental Laboratories, Ltd., Hove, are proving popular with prescribers. The trial began in early October after the tablets and the purpose of the coding system had been explained to pharmacists in the area and after wholesalers had laid in stocks.

The Co-tabs series is claimed the first entire range of readily identifiable tablets to be made available anywhere in the world. It was brought into existence in response to urgent pleas voiced to the pharmaceutical industry at annual representative meetings of the British Medical Association in 1959 and 1960, as well as by the 1963 annual meeting of representatives of Local Medical Committees. The range comprises 169 standard tablets, among them all the commonly used non-proprietary uncoated tablets of the British National Formulary, plus some from the British Pharmaceutical Codex. Coated tablets are held over for possible cod-



At left: Trade mark on one face of each Co-tab. Centre: Score above which goes a letter or letters and below which a figure or figures. At right an example (codein. phos., 30 mgm.).

ing treatment at a later stage. Essential feature of the coding system is that the tablet is engraved on one face with the trade mark CO-TAB and on the other with an engraved letter and number identifying a particular tablet. The coding system, which was devised by the manufacturers, is understood to have been given at least such degree of acceptance by the Ministry of Health that the Ministry would deprecate any subsequently introduced system that applied different code numbers to the same tablets. The system is norther about 10 to 10 t tem is partly alphabetical and partly numerical. In the first series the letter used is the first letter of the tablet name (for example, B for buto-barbitone, C for codeine, P for pheno-barbitone, etc.). The number, divided from the letter by a horizontal line, specifies the tablet exactly (A 11, for example, stands for aspirin, 300-mgm. tablets). Eventually the range will demand the use of two letters and two digits for identifying other tablets, but by means of two letters and two digits no less than 70,000 different tablets can be identified. While the name Cotabs is the property of Continental Laboratories, Ltd., the code numbers are available for free use by any other manufacturer.

The appeal of the system to the prescriber is that he needs only to write the letters "Co" before the name of the official tablet to be sure that a coded tablet in the Co-tabs range will be dispensed. The strong recommendation of the manufacturers is that he should write the prescription in that way rather than by merely giving on the prescription the code number of the tablet he intends. However, each prescriber is provided with a Co-tab index, which lists the code letter(s) and number(s) for all tablets in the range.

What prompted prescribers to ask for coded tablets in the first place was the urgent problem of identifying tablets that are inculpated (or are under suspicion) in cases of suicide; the advantage of being able to identify tablets used in the treatment of patients later transferred to another doctor; and the usefulness of the code mark in preventing tablet wastage, etc.

It will be recalled that the idea of

It will be recalled that the idea of tablet coding was rejected by the Association of the British Pharmaceutical Industry on grounds of cost as a procedure for universal adoption. Nevertheless the prices of Co-tabs, which are understood to have been approved by the Ministry of Health, are not greatly above those of uncoded standard tablets, though Co-tabs are claimed to have been subjected to even more stringent quality tests than are generally applied to unbranded standard tablets. First trials in the four counties named are now well advanced. It is the company's intention to extend distribution to the London postal area early in January 1965 and nationally on March 1, 1965.

Already the majority of non-proprietary tablets in the British National Formulary are available as Co-tabs, and it is the intention of the company to extend the system in due course to include the entire range of B.N.F.

tablets.

For pharmacists an essential item of information about the Co-tabs range is that, when they are prescribed on EC10 forms, they are treated by the pricing bureaux as proprietary tablets and priced accordingly.

MANUFACTURERS' ACTIVITIES

Process Licensees Confer. — Representatives of sixteen foreign companies holding licences for the British process, Netlon, conferred in London on November 10 and 11. A feature of the conference was a display of the many uses to which Netlon — a versatile mesh structure produced by extruding a variety of materials, notably plastics—has been adapted throughout the world. Sole agents for Netlon are Spicers, Ltd., 19 New Bridge Street, London, E.C.4.

Sales Training in Hair Care. — A training project designed to help the chemist increase his sales in the expanding market of hair beauty products has been launched by Lambert Chemical Co., Ltd., Eastleigh, Hants, manufacturers of the Poly range. The scheme



Sales information textbook, gold-printed diploma, blue and silver badge, and counter-display badge awarded to successful entrants in Lambert Chemical Company's sales training scheme.

has been introduced to assist the consumer, faced with so many products now on the market, each performing different functions, choose the right one for her particular hair problem. It is designed to train assistants to advise on the subject. Any chemist may enrol one or more of his assistants in a postal course. The student receives a specially prepared textbook dealing with all aspects of hair care and the function of the different types of pro-

ducts plus a copy of the Poly publication "Hair Beautiful." On completion of the course of study an examination paper has to be answered and successful applicants are then awarded a diploma, a "Poly consultant" badge to wear, and a counter prestige plaque. The course has been most enthusiastically received by owners, managers and assistants.

Winners of a "Roman Holiday."-The national final of the Wonder Set "Roman holiday" contest organised by the manufacturers, Reckitt & Sons, Ltd., Hull, Yorks, was held in London on November 16. Thirty-nine finalists from all parts of the British Isles took part, and were judged on personality, hair style, good grooming and dress sense by a panel of guest celebrities. After the contestants had been reduced to a "short list" of six the results were announced by Mr. David Jacobs, a well known radio and television personality, who had previously interviewed them publicly. Miss Joan Lofthouse, Purley, Surrey, received first prize and chose, instead of cash, a holiday in Rome for two as guests of a film studio, with £100 to spend on "gay Italian clothes" and an appointment with a "top Italian hair stylist." Miss Valerie Martin, Sale, Ches, was awarded second prize (£150) and Mrs. Constance Snook, London, N.17, who was placed third (£100 prize). Fourth, fifth and sixth prizes were £75, £50 and £25 respectively. The prizes were presented by Mr. Robert Muir (sales manager of Messrs Reckitt).

Training in Servicing Fire-fighting Equipment. — Dutch, Swedish, Norwegian, Belgian and Irish service engineers of Nu-Swift International, Ltd., Elland, Yorks, have been meeting at a training school at the company's head-quarters, October 5-14. The course includes instruction in servicing, pressure testing and recharging extinguishers.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Orders Anonymous

SIR,—Can it be that chemists in the South got careless this week, as we have received five orders for Paton's nail hardener without name and address?

P. C. PATON (SOUTHPORT), LTD., Southport, Lancs

Financial Problem Ahead

Sir,—When the Government proposal to abolish the prescription levy comes into operation it will bring in its wake a serious financial problem for retail pharmacy. A contractor dispensing 1,500 prescriptions per month will find himself further subsidising the National Health Service by an amount fluctuating between £225 and £375, as he will have to wait until he receives his monthly cheque for his entire N.H.S. remuneration instead of receiving 2s. at the time of dispensing the prescription. I sincerely hope the Contractors' Committee will recognise the gravity of this problem and press for the interim payment to be re-examined in the light of these new circumstances. DELEGATE

Problem Solved

SIR,—Re your Prescription Poser, November 14. We wish to claim "special commendation" as all our dispensing staff read the script completely without any hesitation. May we also point out that the prescriber, a charming person, has extremely bad eyesight—so bad, in fact, that for at least twenty-five years has refrained from driving a car.

HOLTS CHEMISTS, LTD., C. S. HOLT, Rochdale, Lancs

SIR,—I invariably treat scripts which are indecipherable in the following manner. I time myself precisely three minutes for the whole prescription no matter how many items. After this I telephone the doctor and ask for his help. If the doctor is absent I leave my number and ask him to 'phone back. I do not 'phone the doctor again. If the customer calls before the doctor 'phones I either ask the customer to return later (much later) or give the prescription back. I cannot see that it pays to spend more than three minutes -no matter how many items—in deciphering. Invariably after a 'phone call to get the doctor's help his writing on scripts improves for two or three weeks. B. K.

Legibility and Courtesy

SIR,—Surely there is a limit to what may be expected of a chemist confronted with an illegible prescription? In the case reported by "Doctors' Handmaiden" (C. & D., November 7, p. 474 (a pseudonym to which I do not subscribe) the specialist who wrote the original prescription was guilty of grave discourtesy, if nothing more; and the G.P. who, having failed to read

it, did not at once refer to the writer, was guilty of something worse. the chemist should have, in his own words, spent one and sixpence of his money, and half an hour of his much more valuable time, elucidating what could have been made clear earlier by the lifting of a telephone or the writing of a simple note, goes beyond the call of duty and all reason. I seem to remember that a correspondent in this or some other column wrote to say that, being plagued with overmuch bad handwriting, he decided to return each and every illegible prescription to the writer by the hand of the patient, and could now record an immediate and marked improvement; and, I have no doubt, quite a gain in respect for himself as a person.

J. T. MARRIOTT, Hemel Hempstead

Consent, Then Endorsement

SIR.—Will you kindly allow us to reply to Mr. Stock's letter in your issue of November 14 (p. 497). If a pharmacist is presented with a prescription for tab. nitrofurantoin, B.P., the correct procedure is to telephone the doctor to seek his consent to the dispensing of Furadantin, and, having obtained that consent, to endorse the prescription accordingly. To save the pharmacist that trouble we are, of course, doing our best to ensure that prescriptions are written for Furadantin 50 mgm. or 100 mgm. as the case may be.

S. FENWICK, Managing director, Smith, Kline & French Laboratories, Ltd., Welwyn Garden City, Herts

SIR,—During the 1939-45 war, at an air raid precautions meeting in Hornsey town hall, a zealous citizen asked: "What would be the legal position of an A.R.P. worker who rescued an alien from a burning building after midnight and in so doing enabled the said alien to be at large after the "curfew then imposed on certain aliens. With enviable suavity the town clerk (a Bachelor of Laws) answered: "Sir, the law may be an ass, but not, I think, such an ass as to allow even an alien to be burned to death because the fire occurred after midnight. The A.R.P. worker would do his or her duty to help a fellow creature, whatever the hour, whatever the nationality." In the same way, I suggest to Mr. Stock that the pundits who laid down the shape and size of nitrofurantoin tablets in the British Pharmacopæia would take no action, still less admonish, a chemist who dispensed a shaped tablet of this drug of proven value. I would myself take a dim view of any chemist who could not or would not dispense a prescription for nitrofurantoin tablets on the ground that those he had in stock did not conform to a certain shape and thickness. Mr. Stock's letter to you is an example of a certain pettifogging which has bedevilled and still does bedevil pharmacy. I remember the exasperation which I, when a student, felt at the waste of time spent in formulating such hoary anachronisms as Easton's syrup, spirit. ætheris nit., liquor quin. ammon., and others too numerous to detail. I think it would be a very pleasant change if the pharmaceutical Press printed the reports and opinions, as available, of, say, the public analysts of the city of Glasgow or Liverpool or even the city of Chester.

G. T. CULME, Kingston-on-Thames, Surrey

Advertisements for Medicines

SIR,—I have before me as I write a pile of cuttings about aspirin sideeffects. Unfortunately it is not convenient at this moment to start a debate with the spokesman for Aspro-Nicholas (see C. & D., October 31, p. 450). But you don't need to have more letters behind your name than some people have had good dinners to realise that, although aspirin is a boon and a blessing, it is somewhat more toxic than, say, peppermint lozenges or chocolate drops. The main purpose of my letter (C. & D., October 24, p. 426) was to draw attention to the Aspro advertisement and to complain that (to copy a euphemism from the N.P.Ù.) its wording left much to be desired. My contention is that all "patent" medicine advertisements should be vetted by the Pharmaceutical Society (or some body appointed by it) before the event. For the Ethical Committee merely to recommend that the company should be informed of the Council's views is to tell them something they already know, shutting the gate after the horse has fled, and unlikely to have any visible effect whatever.

R. HUTCHINSON, Charlton, London, S.E.7

[Eleven references were supplied by the correspondents.—EDITOR.]

POSER SOLUTION

THE items prescribed on the form illustrated under "Prescription Poser" last week were: Largactil, Calpol, Norflex, Transvasin.

Many subscribers sent in solutions, including B.K., who found almost the right answer in three minutes flat, and another pharmacist who identified the doctor and who must not be named for that reason, but who wrote "His scripts are all like this—this is an easy one I think." Perhaps it is, but that did not prevent senders from interpreting the third item variously as Migril, Nephril and Norgesic and the fourth as Ung. Transvasin and Ung. Terramycin. Will all correspondents please accept a general acknowledgment in place of individual replies? The correct have their endorsement on this page and the remainder will not wish to be reminded of their non-success. B.K.'s advice (see column 1) would seem eminently worth applying.



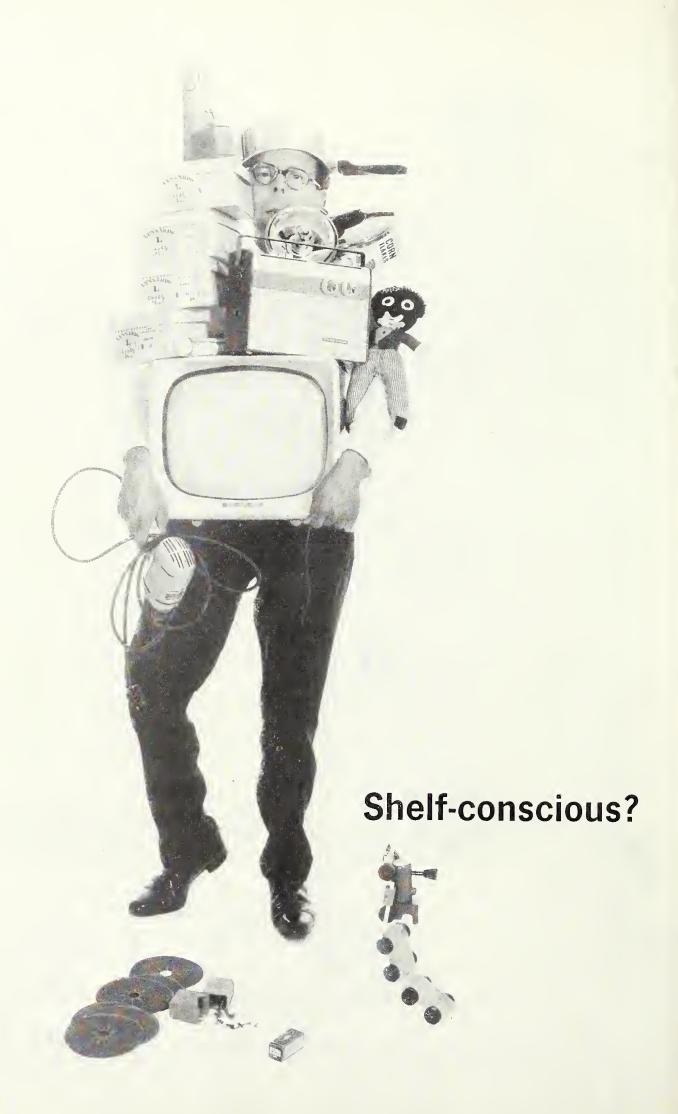
RIBBED BOTTLES Hard working Beatson Bottles—made for busy chemists. We have a very wide range of Ribbed Ovals in white flint and, to meet the new recommendations, many sizes are also available in amber. Also Hexagon Poisons in emerald. Dropper bottles in amber. All available for immediate delivery. Our express fleet delivers to wholesalers all over Britain—and Beatson Bottles reach the chemist 'production clean' in hygienically sealed cartons. Prices of all colours and sizes are very keen indeed. Ask your wholesaler for news of the extensive Beatson Range!

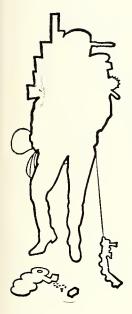
BEATSON Bottles for busy chemists

BEATSON, CLARK & CO. LTD · ROTHERHAM · YORKS · Telephone: Rotherham 3188 Glass Bottle Manufacturers since 1751

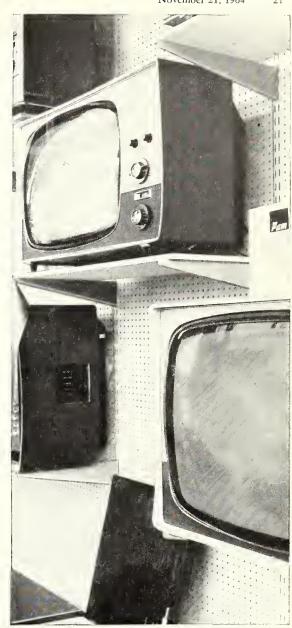
MB 18/4

November 21, 1964





A man with a load of problems which SPUR would soon take off his mind. SPUR, the precision-built shelf support, takes just about everything—from canisters to transistors, tools to TV's, hardware to tinned fare. Everything looks better on it. And you'll stock better with it.



Tough—but good-looking, smooth, clean line—but modest, SPUR fits in neatly anywhere. So anything and everything sits on it—boldly. The secret? Simply scientific! There's just the uprights which are screwed to the wall, and the adjustable brackets which clip into the slots anywhere along the upright.—What could be simpler than that?

Muddled? Fuddled? Huddled together with hardly space to breathe? Left on the shelf with no-one to see 'em—let alone find 'em? Then your products need SPUR shelving. SPUR to tidiness, a SPUR to your sales, SPUR to put yourshelves in order—just where you want them. Regain your shelfrespect with SPUR

lease send me information on SPUR	. SAVAGE	& PARSONS LT	D, WATFORD	HERTFORDSHIRE.	WATFORD 2607
-----------------------------------	----------	--------------	------------	----------------	--------------

NAME

COMPANY

ADDRESS



STOCK UP NOW FOR THE WINTER DEMAND

SUPPLIES FROM YOUR USUAL WHOLESALER

TE 255



For Retailer, Wholesaler and Manufacturer
ESTABLISHED 1859

Published weekly at 28 Essex Street, Strand, London, W.C.2

TELEPHONE: CENTRAL 6565

Supermarket Pharmacy in Relation to the Council's Statement

THE "one-stop" shopping centre occupying a two-acre site at West Bridgford, Nottingham (see C. & D., November 14, p. 487) represents not only a new concept in retail selling in the United Kingdom but is likely to cause much critical discussion within pharmacy. The pharmacy is operated as a concession, the concessionaires paying no rent for their space but remitting an agreed percentage of turnover to GEM Supercentres, Ltd., who are in overall control of the centre. The concessionaires' payments cover overheads such as rates, lighting and heating, and the contract is understood to provide for thirty days' notice of termination on either side.

The sales area of the supercentre, which is a one-story building of extensive floor area, is brilliantly illuminated, air-conditioned and designed on clean, functional lines. There is an absence of windows, and the customer, upon entering, is faced with a veritable sea of merchandise, though large panels on the walls and other notices signpost to some extent the position of the various departments. No prominence is given to the names of the concessionaires, most of whom seem more or less anonymous, the impression made on the uninitiated being that all the merchandise is that of the GEM organisation. The concession operated by Boots, Ltd. (see C. & D., November 14, p. 487), is located near one entrance, and the display units used within it are precisely like those used uniformly throughout the store, with little physical division between sections. Most of the goods within the Boots concession area appear no less accessible than merchandise available in other parts of the store, but two other concessions have quite a different degree of accessibility. A limited company operating the opticians' concession has screened off its area with what appears to be a modern hardwood façade that is quite professional in style. The wines and spirits department is surrounded by glass partitions. There is admittedly in the Boots area a separate raised dispensary accessible only to members of the staff, who receive prescriptions over a counter at which medicines are displayed and sold.

The concession has been included in the register of premises of the Pharmaceutical Society in the name of Boots Cash Chemists (Eastern), Ltd., and it must, therefore, be assumed that the registering authorities looked at the legal situation under the Pharmacy Acts and found nothing about which they could complain.

The question arises whether the ethical aspects of the Nottingham supercentre have been studied. The Council of the Pharmaceutical Society issued in October a statement on the self-service of medicines (C. & D., October 12, 1963, p. 383) declaring that medicines should not be offered for sale in pharmacies by self-service or on a comparable basis of self-selection. In the Boots concession at the Nottingham supercentre medicines are only sold over the counter by the assistants, the open display shelves and self-service techniques being used for a large variety of other goods such as are to be found in many other Boots branches. However, the same Council edict states that "Pharmacies should not be established in the indoor market type of supermarket as there can be no assurance that the owner of the pharmacy has any influence or control over the immediate environment, which may not be in keeping with the character of pharmacy."

We find it hard to accept that the latest innovation at West Bridgford is in keeping with that Council edict. If the Council's Ethical Committee has considered the new situation brought about by this supercentre development and has decided that, in the light of modern trading demands, its original statement of October 1963 is no longer valid, then the membership should at once be informed of that decision. In any case, it should give some clue to the discussions it must have had with the officials of the Boots organisation and the basis on which the West Bridgford concession appears to have been accepted. We say "appears," for if any doubt lingers whether the requirements of the Council have been met the Boots organisation should justify to the membership of the Society the interpretation it has put upon the statement.

"Advice and Medicine Free"

In the days when patients used to have to pay doctors' bills, a certain general practitioner was caused acute embarrassment, according to a hoary legend, when an embossed tag "Advice and medicine free," placed there by a leg-pulling friend, fell from his pocket and was picked up by a patient. Mr. J. W. Jamison (managing director, Aspro-Nicholas, Ltd.) seems to have been playing a similar practical joke on pharmacists. Speaking on "The Chemist in the '60's" in a Grampian Television programme recently, he is monitored as having said that only when the purchaser wants guidance on what to use or what to take was the chemist's knowledge called upon. "If the purchaser knows his or her requirements, then the professional advice of a pharmacist is not necessarily required, for example on a repeat order." It was then as convenient "or even more convenient" to go to the nearest point of sale, whether supermarket, grocer's shop or dispensing machine.

For the pharmacist, on that basis, a future based on the purchase-price on a single sale, covering not only the profit on which any trader depends for his living, but the value of the advice thrown in gratis but acquired at cost in money, time and study. For the grocer, the supermarket and the slot machine the rest of the sales of the Aspro or the other medicine about which advice from the pharmacist may have been once sought and supplied, repeated in a succession extending, the manufacturer perhaps hopes, on and on into perpetuity. Even for the sale to the customer who—not more than once for each product—seeks the advice of the

pharmacist, he must be asked to work a little harder to justify his existence in competition with those other classes of trader, human or mechanical, in Mr. Jamison's list. "The chemist should regard himself," says Mr. Jamison, "first and foremost as a pharmacist who by knowledge and training can assist his customers who have slight ills or conditions which need not necessarily be referred to a medical practioner. . . . But why should the chemist not be a wise trader as well and seek to enlarge his business as any wise trader should? He would be as well advised to adopt a realistic attitude towards display and the importance of counter trade."

But to what realist purpose? Always his pharmacy is bound to be, to a few local residents, the nearest point

of sale, to which it will be convenient to go. For the remainder of the population it will always be even more convenient to go to the grocers, supermarkets and automatic machines by whom—or by which—the pharmacist is so greatly outnumbered. By the time those more conveniently served customers need the pharmacist again for his advice about some product they are not already buying on his earlier advice, they may have forgotten where he is to be found to give it. And if in the meantime he has not made any other sales in worth-while numbers to other customers, he may even have failed to replenish stocks of the product that would normally fall to be purchased by the customer after the advice has been given.

Pharmaceutical Society of Ireland

MONTHLY MEETING OF COUNCIL

THE need for immediate action in preparing terms under which pharmacists would participate, if requested, in the Republic's proposed new health scheme was stressed at the meeting of the Council of the Pharmaceutical Society of Ireland held in Dublin on November 10. A letter from the secretary of the Irish Drug Association (Mr. B. R. Smith) asked what progress had been made by the Council in that direction since the meeting in June between representatives of the Council and officials of the Association. The president (MR. J. P. O'DONNELL) said the Council had evolved the broad principles of a scheme, and had agreed that all dispensing should be done through pharmacists, but in March 1963, after representatives of the Council had made submissions before the Select Committee of the Dail, it had been decided that the I.D.A. should be invited to work out the practical details. Mr. J. G. Cole-MAN (registrar), recalled that, at a meeting of representatives of the Council and the I.D.A. in May 1963, it had been agreed that the I.D.A. should deal with matters relating to prices. On July 27 this year a further joint meeting had been held. Mr. F. Walsh suggested that the Council should start anew on the matter, should produce a scheme, place it before an extraordinary meeting of the members, and hear their views. They should decide in advance what professional help they would require in drafting the scheme and should call on the services of an expert. Mr. T. R. MILLER pointed out that the I.D.A. had already presented a scheme which had not fully appealed to the Council, and had undertaken to present another. He supported Mr. Walsh's suggestion that the Council should go ahead with their own scheme, in consultation with the I.D.A. or any other appropriate organisation. Most of the preparatory work had been done under the presidency of Mr. Kennelly recalled MR. R. J. SEMPLE. One result had been that the local associations had been neglected by the Council. Both bodies should get together and representatives of both should visit each local association and obtain members' views on the matter. MR. G. C. O'NEILL commented that the new president of the I.D.A. (Mr. D'Alton) was impressed with the liaison between the Council and the Association. "We agreed in May 1963 that the I.D.A. should deal exclusively with the matter," interpolated THE PRESIDENT, "We held joint meetings and I don't know what further information the I.D.A. require from us." "I think the president of the Association wishes to get both bodies together again," replied Mr. O'NEILL Mr. V. G. McELWEE could not see why the Council and the I.D.A. could not produce separate schemes. When the matter had first been raised—over five years ago—it had been referred to a planning committee but it had "never got anywhere." Mr. F. LOUGHMAN said two questions had to be considered—the professional fee, which was a matter for the Council, and the general economics of the scheme. He expressed dis-

appointment that the I.D.A. had been unable to present a scheme in time for the present meeting. At a recent I.D.A. meeting in Kilkenny some confusion had been apparent over the situation. Since criticism had been voiced, matters should be explained to Society members, and their views obtained. He understood the Select Committee would like to hear the views of the Council members again.

Approach to Irish Drug Association

MR. M. L. CASHMAN commented that the only thing that had emerged from the decision of March 1963 was an interim report from the I.D.A., and he would like to know if the Association intended to enlarge upon it. The first thing to be agreed upon was the principle of the scheme and the Council should write to the I.D.A. along those lines. He would resent bitterly anything that could be construed as reflecting upon Mr. Kennelly's handling of a most difficult situation and the other members of the deputation would share his feelings. From discussions he had had with various pharmacists he was satisfied that they did not want to operate a dispensary service at a cheap price. Mr. MILLER, agreeing, said they had given the I.D.A. every opportunity and encouragement. He had nothing against the Association but thought valuable time would be lost in further correspondence with it. His impression after the last joint meeting had been that the Council was going to cooperate with the I.D.A. in presenting a scheme. "I feel we should go ahead and invite the I.D.A. to join in. Principles and economics are tied up, and we must proceed on the basis of protecting the public interest. The citizens of this State, unfortunate enough to be depending on the dispensary system, are getting a poor service." He favoured the engagement of an accountant by the two bodies. A scheme should be available before general members were invited to a meeting, he said. The I.D.A. had now established that a professional fee should be charged, and he congratulated them on doing so, but why had they not told the Council?

Summing up the discussion THE PRESIDENT said members had agreed that the I.D.A. should deal exclusively with the matter, and that the Society would give the Association every help. Any impression that there was any vendetta against the I.D.A. in the matter would be false, but the Select Committee was likely to report at any time, and the Council might have quite a rush to prepare something at the eleventh hour, if asked back. The Council should take a certain amount of responsibility in evolving a scheme but the real responsibility rested with the I.D.A. "I have no faith in joint committees. I would prefer that either the I.D.A. did the entire work, with the help of the Council, or that the Council took the responsibility and the I.D.A. helped out with their resources." It was finally agreed, on the motion of MR. C. CREMEN, to request the I.D.A. to submit a progress report to the next meeting.

Honours Degree Proposals

A letter was read from the dean of the faculty of science. University College, Dublin (Professor T. E. Nevin), asking for the Council's views on proposals submitted for an honours degree. After deliberation the Council decided that the matter needed more careful examination, and the registrar was directed to circulate copies of the proposal to each Council member so that a decision could be taken at the December meeting. The REGISTRAR told MR. MILLER, who asked what were the regulations relating to the new degree student, that it had been decided that the period of practical training could not be undertaken until after the candidate had taken the degree examination. Mr. MILLER was also told that if a candidate who failed the first examination and had to wait a year to repeat it spent the interval in a pharmacy it would not count towards the period of practical training.

An acknowledgment sent to the registrar from Mr. Tierney (former president of University College, Dublin) of the Council's resolution of good wishes on his retirement was read.

MR. KENNELLY reported that, since the previous mccting with Professor Timoney, he had met about fifteen pharmacists from Northern Ireland at Dundalk. They had been exceedingly helpful in explaining the operation of the central sterile unit for hospitals in their area, and had given much information that would be useful for the unit the Department of Health proposed to establish in Dublin. The fifteen had explained that a pharmacist would be the person to supervise such an institution as being best qualified to state what materials, equipment and dressings would be needed. They had suggested that the deputy superintendents should be a nurse, and that the third person in the team should be a bacteriologist. That pattern had developed in England and later in the North.

Pharmacists Best Qualified to Advise

The Northern pharmacists had said that, when the units were first established in England and the North, pharmacists had shown little interest, and often male nurses, who had only a superficial knowledge of sterilising work, had been given the posts. The Council had also been advised to seek an interview with officials of the Department in order to stress the rôle of pharmacists in such units. Pharmacists would be best qualified to advise the Government on financing such a service. THE PRESIDENT thanked Mr. Kennelly and Professor Timoney for having met the visitors from the North. Mr. Kennelly said he understood that the exploratory committee had since sent its recommendations to the Department. The Council decided to ask the Department to receive a Council deputation to discuss the proposed unit.

On the suggestion of THE PRESIDENT it was decided to ask the Practice of Pharmacy Committee to appoint a permanent chairman. Mr. WALSH said the Committee was examining the many replies so far received to the questionnaire on the economics of retail pharmacy, and he appealed to those who had not forwarded their replies to do so immediately.

Mr. C. S. O'Connor was appointed examiner to the Registered Druggist examinations for the year.

The following changes of address were noted:—Mrs. Anne Sheehy, L.P.S.I., to 181 Brewery Estate, Stillorgan; Mrs. Mary M. Reaper, L.P.S.I., to 108 Nutgrove Avenue, Rathfarnham; Mrs. Anne B. Dolan, L.P.S.I., to Memorare, The Gardens, Athlone; Mr. J. V. Parsons, M.P.S.I., to Market Street, Monaghan; Mr. J. Connell, M.P.S.I., to 146 Sundrive Road, Crumlin, Mr. P. A. Brennan, M.P.S.I. to Athlone Market lin; Mr. P. A. Brennan, M.P.S.I., to Athboy, co. Meath; Mr. C. A. O'Flynn, L.P.S.I., to Site 91, Glenageary Estate, Upper Glenageary Road, co. Dublin; Mr. J. F. Butler, M.P.S.I., to Finvara, South Square, Clonakilty, co. Cork; Dr. H. J. Galvin, M.P.S.I., to 30 Claremont Road, Sandymount; Tadhg. C. MacG. Riogh, M.P.S.I., to 106 Foxrock Park, Dublin; Mr. F. E. Corcoran, to 5 Waterloo Avenue, North Strand. The following were granted registration in the Pharmaceutical Chemists' Pre-

liminary Register:—N. K. Soremekun, 24 Denton Street, E. B. Nigeria; Patricia I. Aruwajoye, 9 Olaluwa Square, Owo, Nigeria; Y. C. Wong, 131 Hugh Low Street, Ipoh, Perak, Malaysia; D. M. Moane, Market Street, Cootehill, co. Cavan; R. J. Lyons, Spittle, Glenroe, Kilmallock, co. Limerick. The following were granted registration in the Pharmaceutical Assistants' Prelimination of the Characteristics of the Control of the Contro nary Register:—Catherine M. O'Neill, 4 Spellacy Square, Wolfe Tone Street, Limerick; Aileen A. Freyne, St. Mary's Clondalkin, co. Dublin; Ann M. McCauley, 5 Church Street, Enniscorthy, co. Wexford; Mary Linehan, 4 Knockbarry, Buttevant, co. Cork; Paul P. Maher, 12 James's Street, Drogheda; Carol M. A. Daly, 70 Cluan Enda, Dundalk, co. Louth; Anne F. Maher, 48 Fortfield Park, Terenure; Mary F. Nicholson, Main Street, Tullow, co. Carlow; Maire Ni Suilleabain, Eas Coille, Baile Muirne, co. Corcai.

The Licence certificate of Helen T. A. McDonnell was signed and sealed. James Parsons, L.P.S.I., 5 Market Street, Monaghan,

was nominated for membership.

The REGISTRAR reported on the deaths of Messrs. Philip Joseph Fox, M.P.S.I.; Hugh McElhinney, D,C.D., and Martin Ryan, M.P.S.I.

Apologies for absence were received from Miss L. Cunniffe

and Messrs. R. J. Power and J. Gleeson.

Members present were Messrs. M. L. Cashman, T. R. Miller, W. E. Boles, H. P. Corrigan, M. Costello, C. J. Crcmen, D. J. Kennelly, F. Loughman, V. G. McElwee, M. J. Mulreany, J. B. Murphy, G. C. O'Neill, T. B. O'Sullivan, M. Power, R. J. Semple, M. F. Walsh.

Sums totalling £54 were passed for payment at a meeting of the Benevolent Fund which followed.

NEW BOOKS

Self-service Retailing

R. G. FOWSEY, A.C.I.S. *Iliffe Books*, Ltd., $8\frac{3}{4}$ x $5\frac{1}{2}$ in. Pp. 200. 35s.

THE book discusses when and why self-service trading developed, explains how the self-service system should be applied (how to achieve maximum selling space; the principle of open display; space allocation; pilferage; equipment); and the cash-and-carry warehouse.

Insect Pests of Livestock, Poultry and Pets and their Control RUDOLPH SEIDEN, D.Sc., Springer Publishing Co., Inc., 44 East 23rd Street, New York, 10, N.Y., U.S.A. 8\frac{1}{4} x 5\frac{1}{2} in. Pp. 162. \$4 (in flexible binding).

This pocket reference book is essentially a dual dictionary, the first part listing and explaining about 100 insect pests plus 200 cross-references and definitions. The second part has 250 main entries dealing with insecticides, pesticides, etc., and gives warnings on handling, methods of application and antidotes. The book, which contains sixty illustrations, will be a most useful addition to the veterinary and agricultural chemist's bookshelf.

100 YEARS AGO

LAUDANUM AND TEETOTALISM

From The Chemist and Druggist, November 15, 1864 (quoting from the Spectator).

DR. Alfred Taylor, commissioned by the Privy Council, has sent in a report on the means of committing murder by poison which are allowed to exist in England. He says that poison enough to kill two adults can be purchased anywhere for threepence; and the careless dispensing of poisonous drugs is the cause of most frightful accidents. As to laudanum, it appears to be sold wholesale, single shops often in the Marshland supplying three or four hundred customers every Saturday night. Retail druggists often dispense 200 lb. in one year, and one man complained that his wife had consumed £100 in opium since he married. It is a mistake to consider the practice confined to the marshy districts. We do not believe there is a town in England where some one chemist does not on Saturday night load his counter with little bottles of laudacount; and we are assured by a wholesale druggist that he could and did sell it in the eastern counties to the extent of some thousands of pounds weight in a year. This gentlemen, an old and keen observer, declared that the demand had sprung up shortly after the introduction of tectotalism, and that it would be found to vary everywhere, in accordance with the progress or decline of the system of total abstinence.

BRANCH EVENTS

STOCKPORT

Address on Depression

THE large attendance of members of the Stockport Branch of the Pharmaceutical Society to hear Mr. N. W. Pharmaceuticals, Bradbury (Geigy Ltd.) address a meeting in Stockport on November 2 on "Advances in the Diagnosis and Treatment of Depression," demonstrated the increasing interest that is being taken by the branch in that branch of medicine. address Mr. Bradbury reminded the audience that only in recent years has much importance been attached to the problem of depression. Even now, he said, many people would not recognise it as a disease, believing it to be a mental state that the patient should be able to combat without assistance. The speaker's exposition of the different forms depression might take and of the difficulty in recognising it as such proved the falsity of that view.

HARROW

" A Pharmacist and his Camera"

GLIMPSES of tulips in the Keukenhof and of the canals in Amsterdam, Holland, of the sun-baked Mediterranean beaches of Spain and Italy, of Paris in winter, of the Palace of Culture in Warsaw, Poland, and of bougainvillæa in Ghana were seen by members of the Harrow Branch of the Pharmaceutical Society at their meeting on October 13, when Dr. Harold Davis (chief pharmacist, Ministry of Health and a member of the branch), gave an address entitled "A Pharmacist and his Camera." The slides shown were but a few from a collection of transparencies taken by Dr. Davis whilst abroad on holiday or on business. To round off the show, members also saw close-ups of a number of lesser-known flower species that flourished in Dr. Davis' garden despite, as he said, "the Middlesex clay." It did not go unnoticed that all the plants shown were permanently labelled, Kew fashion, with Latin names. Dr. Davis' talk was preceded by a cheese and wine party.

MANCHESTER AND SALFORD

Reactions to Council Proposals

THE following points were agreed during a discussion on the proposed reconstitution of the Council by members of the Manchester and Salford Branch of the Pharmaceutical Society in Manchester on October 29. (1) Some definition of "governing bodies of schools of pharmacy" was necessary owing to differences in placing responsibility throughout the country. (2) Academic representatives should be pharmacists, but since exceptions could occur it was not advisable to make that a condition of nomination. (3) The situation might need to be reviewed as regional colleges ceased.

The meeting approved the proposal for the nomination of one representative from each of the three types of academic institution. On sectional representation the opinion was that:

(4) Whatever their field of occupa-

tion Council members should be primarily pharmacists, without sectional bias. (5) Where a sectional point of view was required by Council it could best be obtained through the appropriate subcommittee. (6) If sectional interests were to be represented then employee pharmacists would have a strong claim for representation, but some form of assistance might be necessary to make that possible. The meeting passed a resolution that the proposals on sectional representation be deleted, and that there should be no guaranteed representation on Council. The Branch further recommended that the date of the special general meeting necessary to approve any re-framed proposals of the Council on the subject should be linked with that of the branch representatives' meeting so that all parts of the country can be represented.

LEICESTER AND LEICESTERSHIRE

Time Limit on Schools' Delegates

MEMBERS of the Leicester and Leicestershire Branch of the Pharmaceutical Society agreed, at a meeting held in Leicester on October 15, that occupational interests should be represented on the Council, with the proviso that a limit should be fixed to the period of service of academic representatives. Mr. J. C. Bloomfield (vice-president of the Council) outlined the proposals for the Council's reconstitution. In reply to MR. W. C. Wood, who said he considered members of Council were out of touch with the average pharmacist in his day-to-day business, MR. BLOOM-FIELD pointed out that many Council members were sole proprietors of one pharmacy. He himself worked full time in his own pharmacy and had, in fact, come straight from "shop to meeting." To MR. C. E. MILLS who asked if a larger Council were necessary. he replied "Yes"—because of the amount of work to be done and also because he thought occupational interests should be represented. Mr. A. W. Dyer (branch chairman) asked if the Council had made any suggestions to help employee pharmacists become Council members. "No," said Mr. Bloomfield, the difficulty was that employees were not organised and that they were numerically strong enough to secure election without support from the other sections. He estimated that there were about ten public companies from which superintendents could be elected. In reply to MR. WEBB's surmise that a company superintendent might be forced to stand as a candidate because his employer demanded it and so become a reluctant candidate, MR. BLOOMFIELD replied that the superintendent was first and foremost a pharmacist and it would be his own decision. MISS M. H. PERKINS raised the question how long the educational nominees would be allowed to sit on the Council. No time limit had been suggested, said MR. BLOOMFIELD, but the Privy Council nominees were in office for four years and could serve a second term, but no longer. He supported Dr. Capper's suggestion made at the London County Pharmaceutical Association meeting (see C. & D., October 10, p. 370) that the educational representatives should be nominated from a board of studies. Mr. K. Scotney opined that three such nominees were too many while MR. J. K. CRELLIN mooted that they should be nominated by a board of studies but that at least one should be a pharmacist. Mr. BLOOMFIELD pointed out that heads of schools of pharmacy were co-opted to the education committee; although some people were of the opinion that that was sufficient, he felt they should be full members of Council. The time might come, said MR. L. A. WOOD (branch secretary), when retail representation might be difficult to achieve. He thought that an employer and an employee should be included in the "sectional interest" category and so be assured of a seat. A fear that sectional members might become "sectional minded" was expressed by MR. MILLS and MR. SAMPSON thought that they might be the cause of internal pressures on the council but MR. BLOOMFIELD said he felt neither possibility was likely. Finally the following questions were put to the meeting:

Q. Is a change of some sort necessary?

A. Yes.

Q. Do you want any academic representatives?

A. Yes—but not more than three, and at least one should be a pharmacist.

Q. Ought occupational interests to be represented?

A. Yes. (At this stage the question of which interests was not decided.)
 Q. Should academic representatives

be nominated?

A. Yes—but with limited period of service and nominated by an academic board.

SHEFFIELD

Medicines and Children

LOCAL newspapers had recently been stressing the dangers of not keeping medicines out of the reach of children. MR. W. F. PATTERSON (chairman) told an attendance of 260 at the annual dinner and dance of the Sheffield Branch of the Pharmaceutical Society, held in Sheffield on October 22. Mr. Patterson thanked the newspapers for their campaign and suggested that there should be a civic week on the theme, with displays and exhibitions. If that were successful then it should be re-peated on a nation-wide scale. The lord mayor of Sheffield, who was present with the mayoress, replied that the suggestion would be given sympathetic consideration. Other speakers were Dr. R. A. T. Rouse (chairman, Sheffield division, British Medical Association) and Mr. E. A. Brocklehurst (a member of Council). The chairmen and their ladies of the local dental and optical associations and the chairman of the Chesterfield Branch of the Pharmaceutical Society (Mrs. E. M. Gadsby) were also among the guests.



THE DRUG WORLD IN AMERICA

Bulletin on events and trends in pharmacy, the industry and the administration DR. RUDOLPH SEIDEN

THE proposed classification of drugs (C. & D., September 19, p. 311) has been in the news again. Dr. W. S. Apple (executive director, American Pharmaceutical Association), in a speech delivered before the annual meeting of the Pennsylvania Medical Society recently, said that pharmacists hoped physicians would support the proposal for personal, professional dispensing of nonprescribed preparations. "The move sponsored by the A.Ph.A. would reclassify drugs so that there would be a non-prescribed group to be dispensed personally by the pharmacist. Note that I said 'dispensed personally' by the pharmacist, not just available from anyone," Dr. Apple pointed out. Both professions could better serve the public health by greater teamwork. therapy is so complicated that I can foresee the day when the diagnostician will consult directly with the pharmacist before prescribing a drug.

Drug Effectiveness Reviewed

An effectiveness review is being made by the Food and Drug Administration under a provision of the 1962 Kefauver-Harris Amendment to the Food, Drug and Cosmetic Act which became operative on October 10. The order of priority for reviewing the effectiveness of drugs already on the market was disclosed recently by the medical director (Dr. Joseph F. Sadusk, jun.) in a speech before the Symposium on Drug Investigation and Therapy at the American College of Physicians, Los Angeles, California. The list of drugs to be reviewed, in order of priority is: Protelytic enzymes (oral and injectable); progestational agents; drugs offered for anxiety and apprehensive states, most tranquillisers, mono-amine oxydase inhibitors; iron preparations; pediatric dosages; topical ophthalmic antibiotic combinations; a number of sustained-release drugs; other topical antibiotic combination products; bioflavonoids; hormone creams; drugs used in pregnancy; topical antihistamines; topical 'caines (local anæsthetics).

Dr. Sadusk emphasised that the "substantial evidence" definition, written into the law, had the following three elements:

(1) Adequate and Well-controlled Investigations: "Obviously, many experimental factors must be controlled and, in general, the effect on the disease process in patients receiving the drug needs to be compared with patients with similar disease conditions who do not receive the drug. This is preferably done by placebo comparisons in well-designed double-blind clinical studies. . . The design of the study, the com-

. . . The design of the study, the competence and experience of the investigator, and the adequacy of the observations and laboratory and other test procedures that are employed to record and weigh the clinical effects of the drug take on paramount importance. . . ."

(2) Experts Qualified by Scientific Training and Experience: "It is clear that the F.D.A. will have to approach this task as any scientific administrator

does-to consider each investigator on the merits of his curriculum vitæ, his past record of accomplishment, the scientific environment in which he is doing the investigation, and the nature and quality of the recorded observations. Certainly, it does not seem likely, that the F.D.A. will publish a list of so-called qualified investigators. . . . It is common knowledge that the pharmaceutical industry is faced with a significant issue in the shortage of qualified investigators. Drugs are becoming more and more complex and the use of the general doctor, without specific experience in clinical investigation, in testing drugs in his office in the midst of a busy practice is probably coming to an

(3) Substantial evidence on the basis of which it can fairly and responsibly be concluded that the drug will have its claimed effect: "Neither legally nor medically is there any requirement that all investigators show effectiveness of the drug being studied. Nor is there a requirement that any fixed number of investigations be made, or a fixed number of investigators used, or indeed that the drug under study be found more effective than other drugs for the same purpose. . . . What is required is a body of scientific data drawn from the investigations that will be convincing to those responsible for the decision to approve or not approve the marketing of the drug. . . ."

Foreign Control Problems

The Pharmaceutical Manufacturers Association has asked the F.D.A. to look into the troublesome overseas drug control problem. Currently, F.D.A. information on the status of U.S.-manufactured drugs is disseminated worldwide through the Department of State. That often causes misunderstanding, because State officials are not familiar with all aspects involved.

Zirconium Fluoride in Tooth-paste

Procter & Gamble Co. are investigating a tooth-paste additive, developed by Indiana University Dental School, which is said to be up to 60 per cent. more effective than stannous fluoride in preventing cavities in teeth. The new tooth-paste contains zirconium fluoride and other substances. The formula remains secret, but it is said that the tooth-paste contains about 0.2 per cent. of the compound while the prophylactic paste contained 20 per cent. The new compound forms an almost completely insoluble coating on teeth.

F.D.A. Statistics

In $2\frac{1}{2}$ years (between January 1, 1962, and June 30, 1964, about 2,000 notices were submitted to the F.D.A. by manufacturers for proposed clinical trials. The F.D.A. stopped the investigations in ten cases, and approximately 250 investigations were discontinued voluntarily by sponsors when additional pre-clinical data were requested to permit adequate evaluation of the safety of the proposed studies. There

were 243 recalls of drugs in the period by large and small companies; in most cases they reflected a failure in manufacturing, laboratory or labelling control: of the recalls 28 per cent. were due to material deviation from required potency of the drug, 17 per cent. to label mixups, 13 per cent. to contamination with foreign materials, 11 per cent. failed to meet new drug or antibiotic requirements, the remainder to miscellaneous reasons.

The Industry's Status

A recent trade article summarised comments by Dr. Austin Smith (President, P.M.A.) as follows:

"The [pharmaceutical] manufacturer is a member of an industry having a turnover of \$3-4,000 millions a year, with more than 100,000 employees at home and more than 50,000 abroad; it is owned by 5 million stockholders, spends nearly \$300 millions a year in research which isolates 150,000 to 200,000 compounds a year out of which some 30-40 will be put to human use. . . . The drug industry feels it should be trusted and respected as an industry; that it should not be subjected to discriminatory legislation concerning prices, patents, trademarks and other facets of normal business life."

Glossary of Terms

A glossary of scientific terms now being developed by the F.D.A. and others provides for indexing of about 6,000 compounds. Whenever an investigational new drug (I.N.D.) form is received at the F.D.A., a chemical structure search is made of previous reports on the compound or compounds covered, particularly with respect to pharmacological effects. The F.D.A. and the American Medical Association (A.M.A.) are using the same punch card code and glossary of terms for their co-operative system on adverse drug reaction reporting. The report on adverse reactions will be distributed quarterly.

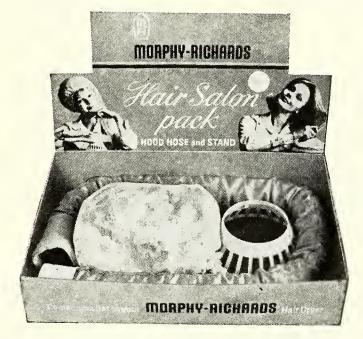
Protest

In the October issue of Reader's Digest appeared an article entitled "Threats to the Battle Against Disease," in which the author states: "... two drug preparations having the same active chemical ingredients may differ significantly. A doctor would not give a pill with a sugar base to a diabetic, or one containing a salt to certain heart patients. Under the generic proposal the druggist might. Further, though there are good generic drugs on the market, there are also many off-brand drugs which the druggist can buy cheap -pills, for example, too improperly coated that they never dissolve in the system. Under the generic proposal the druggist could fill a prescription with these, and no one would be the wiser. In a letter of protest, APhA's executive director (Dr. W. S. Apple) wrote: "During 1963, pharmacists received some 40 million prescriptions in which the active ingredient was prescribed by generic name. In each case, an individual pharmacist made a decision regarding the quality of the product he would dispense to the patient. That decision, I am confident, was always in the best interest of the patient.'

NEW! Morphy-Richards Hair Salon Pack

In this elegant self-displaying outer - **£2 9s. 6d.**

(Retail Selling Price-incl. tax)



Specially designed to fit the Morphy-Richards Hair Dryer. With a double-skinned hood for faster drying. Leaves the hands free, Backed by the Morphy-Richards reputation for quality and efficiency.

Over three million ready customers

The new Hair Salon Pack makes a Morphy-Richards Hair Dryer work even faster. That's why the three million women who now own a Morphy-Richards Hair Dryer will also want a new Morphy-Richards Hair Salon Pack.

Extra Hair Dryer Sales too

Already, Morphy-Richards make over half the hair dryers sold in this country. Now, the exciting new Hair Salon Pack will help you sell even more Morphy-Richards Hair Dryers.



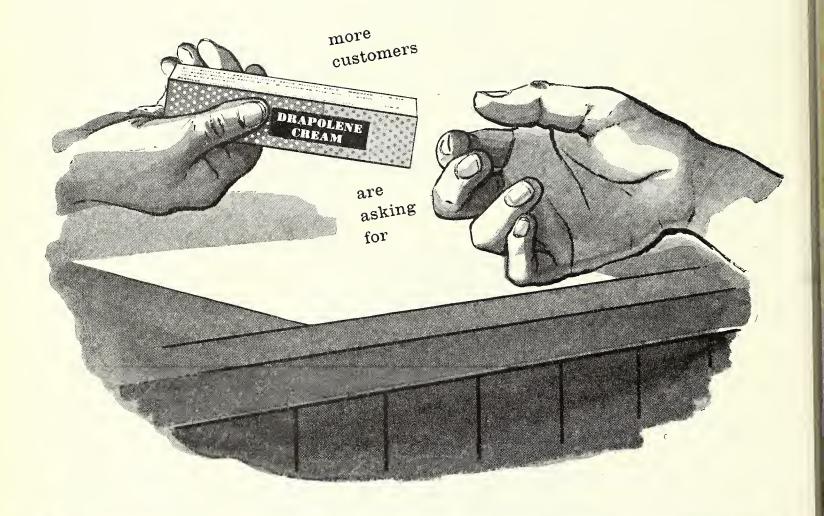
Stock up now for big pre-Christmas gift sales— Heavy Morphy-Richards Advertising in National Dailies, Women's Magazines & Radio Luxembourg running now!

MORPHY-RICHARDS

TAR DRYERS

80-82 PALL MALL, LONDON, S.W.1





DRAPOLENE

Extensive welfare sampling through clinics and child welfare centres is increasing the number of users of Drapolene. And now mothers are coming to the chemist, regularly, to buy Drapolene over-the-counter. So add retail sales to the existing prescription sales by displaying Drapolene. It s eyecatching pack will increase your sales—and your profits.



Calmic Limited, Crewe, Cheshire, Tel: 3251 (7 lines). London: 2 Mansfield Street, W.1.

New Drugs

A new group of compounds, called dinitropyroles, developed by the Ortho Pharmaceutical Corporation, Raritan, N.J., have produced temporary sterility in male laboratory animals. Trials of the compounds may get under way in 1965, according to a report by Dr. Warren O. Nelson of the Albany (N.Y.) Medical College.

DYRENIUM, or triamterene, is marketed as an oral diuretic (Smith Kline &

French).

PITOCIN CITRATE is oxytocin citrate, a synthetic oxytocin in buccal form for inducing labour (Parke-Davis).

Under test are:

Anthelmycin, an antibiotic derived from a strain of *Streptomyees longissimus*. It shows weak, broad antibacterial action, but is effective against pinworms, roundworms, whipworms, strongyloides, and larvæ of the common housefly (Lilly).

25-AZACHOLESTEROL, an aza analogue of cholesterol, inhibits the formation of cholesterol in the body (Searle).

CARBOFIL, or calcium polycarbophil, is being tested in patients with chronic diarrheal disease. It slows the colonic transit time without affecting the gastric emptying time and small intestinal transit rates (White).

CELESTICETIN, produced by Streptomyees eaclestis, a medium-spectrum antibiotic with antibacterial activity similar to that of erythromycin (Up-

john).

PROPERICIAZINE, a new phenothiazine derivative evaluated on severe chronic schizophrenic patients whose average duration in hospital was 12·2 years. Improved ward behaviour, better attention to personal habits and decreased hostility were observed. The only side-effect was orthostatic hypotension found in 25 per cent. of the patients (Smith Kline & French).

REPOISE BUTAPERAZINE, or butyrylperazine, a phenothiazine derivative showing fast action and strong tranquillising activity free of undesired sedation (Robins).



What doctors are reading about developments in drugs and treatments

RESULTS of laboratory investigation and clinical trial of cephaloridine (Ceporin) are reported from Glaxo Research, Ltd., and the City Hospital, Edinburgh. The antibiotic was found to have a broad spectrum of activity in vitro and to be bactericidally active against both penicillin-sensitive and penicillin-resistant strains of Staph. aureus. In protecting experimentally infected mice cephaloridine was generally more active than tetracycline, ampicillin or chloramphenicol. Doses of 250 and 500 mgm. injected intramuscularly into humans gave "good serum levels, high urinary levels, good urinary recovery, and complete freedom from undesirable side-effects." In the clinical study, fortythree patients with infections caused by Gram-positive and Gram-negative organisms were given cephaloridine. Initial urine sterility was achieved in twentynine cases of refractory urinary infections, most of which had previously not been eradicated by other antibiotics. However, relapses occurred in thirteen patients within three months. It is suggested that the drug is a useful alternative to potentially toxic antibiotics. Three septicæmic patients were successfully treated, as were three with pneumococcal meningitis. (B.M.J., November 14, pp. 1234, 1238.)

ALTHOUGH the clinical value of streptokinase is stated to be as yet unproven, workers from Westminster Hospital, London, recommend it as the treatment of choice in all cases of pulmonary embolism except the moribund and certain contraindicated disorders. Administration of 1 mega unit of streptokinase (Kabikinase-Kabi Pharmaceuticals, Ltd.) in physiological saline

to dogs with artificially produced pulmonary emboli macroscopically and microscopically similar to those found in man resulted in a mean reduction of 62.6 per cent. in weight of the embolus after twenty-four hours. The loss in weight of emboli in animals treated with saline alone was 9.4 per cent. The authors give four case histories of patients treated with streptokinase. All are now well and one who had recurrent emboli before treatment has had none since. The need for adequate laboratory supervision in this method of treatment is stressed. (Laneet, November 14, p. 1039.)

DISCUSSING the treatment of fungal infections of the skin, Drug and Therapeuties Bulletin (November 13) criticises the continued availability of two forms of griseofulvin—the fine particle and the "older" coarse particle. The paper points out that, where prescribed by trade name without the suffix "FP" or "forte," the older tablet will be dispensed, and that, where prescribed by generic name without the suffix B.P. or B.N.F., either type of tablet may be dispensed. [In accordance with the Drug Tariff, B.P. fine-particle tablets should be supplied against National Health Service prescriptions not specifying the particle size—EDITOR.]

N.H.S. STATISTICS

In ENGLAND during July 15,803,365 prescriptions (11,040,367 forms) were dispensed at a total cost of £7,763,892 (average total cost per prescription: 117.91d.). During August 13,595,890 prescriptions (9,465,903 forms) were dispensed, costing £6,783,458 (average total cost per prescription: 119.74d.).

EXPANSION PROJECTS

EXTENSIONS to their sodium chlorite plant at Luton costing £60,000, have been authorised by Laporte Chemicals, Ltd.

A FREEHOLD site of about 75 acres at Richborouh, Sandwich, has been acquired by Pfizer, Ltd. The land is immediately opposite their present plant.

A.NEW subsidiary of Boots Pure Drug Co., Ltd. — Boots Farm Sales, Ltd.—is to open shops in Peterborough, Newark, Boston, Market-Rasen and Biggleswade, stocking the farming goods of the parent company and other makers. The shops will offer a weekly delivery service to farms within 25-30 miles of the centre.

A NEW plant capable of producing 1,200 to 1,500 tons of sodium citrate a year is to be installed at the Selby, Yorks, works of John & E. Sturge, Ltd. For many years this chemical has been produced at the Sturge works at Lifford, nr. Birmingham, using citric acid transported from Selby. The new sodium citrate plant, incorporating recent development work and the experience of many years' manufacture, is expected to lead to a 50 per cent. increase in output during 1965. The new plant will also manufacture potassium citrate.

AS a forerunner to an expansion programme, Westbrook Lanolin Co., Bradford, announce the formation of a wholly owned American subsidiary company which will trade under the name of Westbrook Lanolin Co., Inc. The new company, incorporated in the State of Delaware, will market throughout the United States the lanolin and lanolin derivatives manufactured by the parent company and in addition will provide by personal representation, an individual and confidential sales and technical link between American users of lanolin products and their laboratories in England.

ABOUT £300,000 is being spent by United Glass, Ltd., on a new centre at St. Albans, Herts, to house the company's research and development activities. Those activities, at present spread over a number of sites, will now be concentrated to make the best possible use of the increasingly complex equipment and techniques required to carry out major programmes. Working on an annual budget of about a £½ million, the centre will be the biggest of its kind in Europe with facilities for research into plastics and closures as well as glass.

AS their Loughborough, Leics, site has become fully developed, Whiffen & Sons, Ltd., are in process of acquiring an additional manufacturing site at Widnes, Lancs. The project will cost over £1 million and it is scheduled for completion by the end of 1965. Its twenty-acre site is near both the source of raw materials and a "development area." First plants to be erected on the new site will double the production capacity of hydrazine and derivatives as well as introducing new chemical specialities. Loughborough remains the company's headquarters, and all re-search and development, and existing process work will continue there.

TRADE REPORT

The prices given are those obtained by importers, or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, NOVEMBER 18: The dull trading pattern in all markets was unrelieved by the supplementary Budget. The Chancellor of the Exchequer did not mention any relief from the import surcharge for articles within the sphere of this report so it must be assumed that applications for block exemptions stand little chance of success.

Meanwhile it is understood that the Customs and Excise are not requesting immediate payment of the surcharge, but require a promise from the importers that the amount will be paid later when the necessary legislation has

been passed.

Prices among Crude Drugs were practically unchanged from last week. Scarcities remained in many commodities. ERGOT continued nominal on the spot and because of this year's crop failure shipmens of Portuguese, where made, are of old crop material. HONEY prices have fallen substantially for forward delivery. The Australian Marketing Board suddenly decided to remove price control on exports and the market collapsed though it rebounded to a certain extent a few days later. Honey from other sources was also affected, the one exception being Canada, Spot STYRAX was sixpence per lb. lower. Substantial shipments of Nux vomica and white Squills were made from India to Europe during October. From Tuticorin the following Tinnevelly SENNA was shipped during that month:-

	U.K.	U.S.	EUROPE
SENNA	tons	tons	tons
LEAVES	12	53	133
PODS	6	9	109

The Home Office have decided that sales of POPPY HEADS will not be controlled by the Dangerous Drugs Act from December 1 (see p. 511), though importers and exporters will be required to register sales or purchases to or from abroad, Moroccan Cumin rose sharply reflecting a tight supply situation. In Essential Oils the value of Lime, exclusive of the surcharge, was 68s. per lb. Ceylon Citronella and Chinese Peppermint were threepence per lb. lower. Mysore Sandalwood on the other hand, was 6s. 6d. per lb. dearer on the spot

Pharmaceutical Chemicals

Where material is of foreign origin prices below may be subject to import levy.

AMIDOPYRIN. — Per lb. 16s. 8d. for 5-cwt. lots; 1-cwt., 17s. 5d.

AMINACRINE. — HYDROCHLORIDE, B.P., is £26 per kilo.

Amphetamine. — Base is 150s, per kilo in 5-kilo lots and sulphate, 120s.; Dexamphetamine, 270s. per kilo for 10 kilos.

AMYLOBARBITONE. — B.P.C. is 74s. per kilo for less than 25-kilo lots. Sodium is 10s. per kilo more.

Barbitone. — Sodium derivative is 58s. 3d. per kilo for less than 25-kilo lots. Bemegride.—B.P.C. is 320s. per kilo.

BENZOCAINE.—B.P. is 11s. 9d. per lb. in 1-cwt. lots.

BENZOIC ACID.—One cwt., 2s. 10d. per lb.; Sodium salt, 2s. 7d. per lb.

Brucine. — In 1,000-oz. lots, alkaloid

is 16s, per oz. and SULPHATE, 13s. 6d. per oz.

BUTOBARBITONE. — B.P.C., 80s. per kilo for 25-kilo lots and over.

CINCHOCAINE. — HYDROCHLORIDE, B.P., is 975s. per kilo.

Cocaine. — 35-oz. lots hydrochloride, 105s. per oz., alkaloid, 115s. per oz. Subject to D.D.A. Regulations.

CYCLOBARBITONE.—Under 25 kilos: B.P., 73s. per kilo. Calcium, 80s. per kilo.

DIENOESTROL.—B.P. is 1s. per gm. for 5 kilo lots.
DITHRANOL.—B.P. offered at 6s. 9d. per

oz. for 7-lb. lots.

Domiphen Bromide. — B.P.C. grade, 34s, 6d, per lb, in 1-cwt, lots.

HEXOBARBITONE. — 25-kilo lots or over, 115s. per kilo.

Homatropine. — 16-oz. lots (per oz.): alkaloid, 30s. 6d.; hydrobromide, 24s, 6d.; hydrochloride, 28s. 6d.; methylbromide, 25s. 6d. 1-oz. rates are 1s. 6d. per oz. above those rates.

HYOSCINE HYDROBROMIDE.—Per oz. 102s. and per kilo, 3,419s.

Hypophosphites.—Per kilo:—

Quantity	1 kilo	50 kilos			
CALCIUM, B.P.C	s. d.	s. d.	s. d.		
1RON, B.P.C	34 10	16 1 33 7	32 5		
Magnesium Manganese, B.P.C.	29 3 35 3	28 2	27 2 32 9		
POTASSIUM, B.P.C.	23 1	22 5	21 4		
SODIUM, B.P.C	19 2	18 1	17 1		

LACTATES. — CALCIUM, B.P., 2s. 3d. per lb. in 5-cwt. lots and 2s. 4d. in 1-cwt. lots; CALCIUM SODIUM, 4s. 9d. and 4s. 10d.

Lactose. — B.P. in 1-ton lots packed in 1-cwt. paper-lined sacks, £129 10s, per ton, delivered in the United Kingdom.

METHYL PHENOBARBITONE. — B.P.C., 78s. per kilo for less than 25-kilo lots.

NARCOTINE. — ALKALOID and HYDRO-CHLORIDE, 12s. 6d. per oz. (440s. 6d. kilo) for under 35-oz. lots.

OPIATES.—Home trade prices (per kilo) subject to D.D.A. Regulations:—

		1 kilo and over	Under 1 Kilo				
CODEINE	_	s. d.	s. d.				
ALKALOID		1,903 0	1,939 0				
HYDROCHLORIDE		1,665 0	1,701 0				
PHOSPHATE		1,445 0	1,480 0				
SULPHATE		1,665 0	1,701 0				
MORPHINE		•	· ·				
ACETATE		1,762 0	1,798 0				
ALKALOID		2,159 0	2,194 0				
HYDROCHLORIDE		1,762 0	1,798 0				
SULPHATE		1,762 0	1,798 0				
TARTRATE		2,115 0	2,150 0				
ETHYLMORPHINE							
ALKALOID		2,229 0	2,265 0				
HYDROCHLORIDE		1,903 0	1,939 0				
DIAMORPHINE							
ALKALOID		2,106 0	2,141 0				
HYDROCHLORIDE		1,930 0	1,965 0				

Containers below 1-kilo charged 1s. 6d. per container.

Paraffins.—Prices to wholesale distributors per gall.—Liquid: Heavy, B.P., in drums, 8s, 8\frac{1}{2}d. to 8s, 9\frac{1}{2}d. as to quantity; over 500 gall. in bulk, 8s, 7\frac{1}{2}d. Light, B.P., drums, 7s, 1\frac{1}{2}d. to 7s, 2\frac{1}{2}d.; bulk, 7s, 0\frac{1}{2}d. Technical white: Light, 6s, 6d. to 6s, 7d, and 6s, 3d. in bulk; MEDIUM, 7s, 7d, to 7s, 8d., bulk, 7s, 4\frac{1}{2}d. Drums charged and returnable. Soft: Best grades

White medium consistency, £116 15s. per ton and soft consistency, £113 7s. 6d. Yellow, £94 10s. Other grades (all B.P.) at £95, £100 10s., £106 per ton for white and at £74 17s. 6d. for yellow. All in non-returnable drums delivered.

Paraformaldehyde.—B.P.C. is 1s. 3d. per lb. for 1-ton lots; 1s. 5d. per lb. for 1-cwt.

Paraldehyde. — B.P. in 12-winchester lots, 2s. 10d. per lb. (6s. 3d. kilo); 10-gall. carboys, 2s. 4d.

Pentobarbitone,—25-kilo lots and over are 107s, 6d, per kilo.

PETHIDINE HYDROCHLORIDE.—Subject to D.D.A. Regulations, 5-kilo lots, 300s. per kilo.

PHENAZONE.—Imported, 9s. 6d. per lb.

PHENOBARBITONE. — Spot rates 50-kilolots, 47s. 6d. per kilo; less than 25-kilos, 50s. 6d. Sodium salt, 55s. 6d. per kilofor less than 25-kilo lots.

PHENOL.—Ice crystals in bulk, 1s. 4d. per lb. Liquid, B.P., 1s. 9d. per lb. in 56-lb, returnable tins.

PHOLCODINE.—8-oz. lots, 95s. 9d. per oz. (3,377s. per kilo).

PHTHALYL SULPHATHIAZOLE. — Five-kilolots, 31s. per kilo.

Prednisolone.—Alcohol and ACETATE from 7s. 6d. per gm.

Prednisone.—One-kilo lots, Alcohol and ACETATE, 7s. 3d. per gm.

QUINALBARBITONE.—Sodium salt is 110s, per kilo for 25-kilos and over.

RESORCINOL.—One-cwt. lots, 12s. 4d. lb. Succinyl sulphathiazole. — Five-kilo lots, 38s. 6d. per kilo.

Sulphacetamide. — 50-kilo lots, 54s. per kilo; sodium, 66s. 2d.

SULPHADIAZINE.—Five-kilo lots, 65s. per kilo; 50-kilo lots, 60s.
SULPHADIMIDINE. — 50-kilo lots are 60s.

per kilo.

Sulphaguanidine.—100-kilo lots, about

19s. 6d. per kilo.

SULPHAMETHIZOLE. — Per kilo, 5-kilo lots, 100s.; 50-kilos, 95s.

Sulphanilamide.—50-kilo lots, 13s. 1d.

SULPHAPYRIDINE. — Five-kilo lots, 120s. per kilo.

Sulphathiazole. — 100 kilos, 32s. per kilo; 50 kilos, 33s.

SULPHURIC ACID.—Ninepence to 1s. 2½d. per lb. in winchesters.

THEOBROMINE. — ALKALOID from 31s. to 36s. 6d. per kilo as to quantity; — CALCIUM SALICYLATE from 34s. 6d. to 39s. 6d. per kilo; and—SODIUM SALICYLATE, 31s. 6d. to 36s. 6d.

Theophylline.— $12\frac{1}{2}$ -kilo lots; alkaloid anhydrous, 32s. 3d. per kilo and B.P., 33s. 3d.; aminophylline, 29s. per kilo, $12\frac{1}{2}$ kilos, 31s. per kilo.

UREA.—Pharmaceutical grade, £59 15s, per ton in 1-cwt. bags non-returnable; technical quality, £41 5s. per ton (4-ton lots).

ZINC CARBONATE.—One-cwt. lots, 2s. 01d. per lb.; 1-ton, 1s. 9d.

ZINC CHLORIDE. — B.P.C. 1954, cake, 15s. 5d. per kilo; sticks, 17s. 3d.

ZINC OXIDE.—Two-ton lots, B.P. grade, are now £131 10s. per ton; 1 ton, £132 10s.

ZINC PEROXIDE, — One-cwt, lots of B.P. 5s. 3d. per lb.

ZINC SULPHATE.—B.P., 50 kilos, 3s. 64d. per kilo.

Crude Drugs

CARDAMOMS. — Aleppy greens, 14s. 6d. per lb. spot; shipment, 13s. 9d., c.i.f.

CHERRY BARK. — Thin natural, 2s. 4d. per lb.; shipment, 2s. 1d., c.i.f.

CHILLIES. — Zanzibar, spot cleared; shipment, new-crop 250s. per cwt., c.i.f. Mombasa spot, 160s.; shipment, 132s. 6d., c.i.f.

CINNAMON. — QUILLS, Ceylon (per lb., c.i.f.): 4 O's, 9s. 2d.; single O, 7s. 4d.; quillings, 5s. 9d. BARK, Seychelles, 115s. cwt. spot; shipment, 115s., c.i.f.

CLOVES. — Zanzibar spot 2s. per lb. standard grade; shipment, 2s. $7\frac{1}{2}$ d., c.i.f.

COCHINEAL. — Canary Isles silver-grey 22s. 6d. per lb., black brilliant, 28s., spot. Peruvian silver-grey, 16s. per lb., spot.

COCILLANA.—Bark 1s. 7d. per lb. on the spot.

DIGITALIS.—Purpurea leaves, 2s. 6d. per

ELEMI. — Spot, 1s. 9d. per lb.; shipment: new crop, November-December, 1s. 6d., c.i.f.

Ergot. — Portuguese, 13s. 6d. per lb. oot nominal. Shipment, 13s., c.i.f., nominal.

GENTIAN.—Root, 210s. per cwt. spot; shipment, 200s., c.i.f.

GINGER.—(Per cwt.) African, spot, 310s. per cwt. Jamaican No. 3 spot, 560s.; Cochin, December–January, 240s., c.i.f.

GUM ACACIA.—Kordofan cleaned sorts, 165s. per cwt. spot; November shipment, 154s., c.i.f.

HENNA. — Indian, for December-January shipment, 65s.. c.i.f.

Honey. — (Per cwt.). Australian light amber, spot 130s. to 135s.; forward, 105s. to 110s. and medium amber, spot 112s. to 120s.; forward 95s. to 100s.; Argentine, spot, 120s.; forward, 105s. to 110s; Canadian, 175s.; Mexican, spot, 120s., forward 110s. to 115s.

IPECACUANHA.—Matto Grosso for shipment, 60s. per lb., c.i.f. and spot from 62s. to 64s., as to test. Colombian 63s. c.i.f.; spot, 66s. Costa Rican, 82s., c.i.f. and 91s., spot.

Karaya. — No. 1 f.a.q. gum, spot, 400s.; No. 2, 335s. per cwt.

KOLA NUTS. — African, 6d. spot and 5d. per lb., c.i.f.

Lanolin. — Anhydrous B.P. is from 1s. 10d. to 2s. 1d. per 1b. in 1-ton lots delivered free drums.

Lemon Peel.—Spot, 2s. per lb.; partially extracted, 1s. 4d.

LINSEED. — Whole, 72s. 6d. per cwt.; crushed, 110s.

LIQUORICE. — Natural root: Russian, 67s. 6d. per cwt.; Anatolian, 57s. 6d.; Anatolian decorticated, 170s. Block juice: Anatolian, 210s. to 220s. per cwt.; Italian stick from 395s. to 460s. per cwt.

LOBELIA.—Dutch very scarce on the spot 7s. 6d. per lb. nominal. Shipment not offering.

MACE.—Whole pale blade, 14s. 6d. per lb. on the spot. Shipment, 14s., f.o.b.

MENTHOL.—(Per lb.). Chinese for shipment, 19s. 6d. to 20s., c.i.f.; spot, 21s. to 22s. in bond. Brazilian for shipment, 18s., c.i.f.; spot, 20s. to 20s. 6d., in bond.

Mercury. — Spot, nominally £135 per flask of 76 lb. ex warehouse.

NUTMEGS.—(Per lb.). West Indian, spot, 80's, 9s. 6d., nominal; unassorted, 8s.; defectives, 5s. 3d.

Nux vomica.—Cochin, 80s. per cwt. on the spot; shipment, 60s., c.i.f.

Orange peel — Spot: Sweet ribbon, 1s. 8d. per 1b., bitter quarters: West Indian, 10½d.; Spanish, 1s. 9d.

PEPPER.—White Sarawak spot is 2s. 1034d. to 2s. 11\frac{3}{4}d. per lb.; shipment, 2s. 10d., c.i.f. Black Sarawak spot, 2s. 6\frac{1}{2}d.; shipment, 2s. 5\frac{1}{4}d., c.i.f. Black Malabar spot, 3s. 1\frac{1}{2}d. nominal; December-January shipment quoted at 312s. 6d. per cwt., c.i.f.

PIMENTO. — Spot quoted at 672s. per cwt., shipment, 600s., f.o.b.

Podophyllum.—Spot per cwt.: 1230s. (220s., c.i.f.); Peltatum, 190s.

Pyrethrum. — Extracts — partially dewaxed, 25 per cent. pyrethrins, 69s. to 65s. 6d. per lb.; pale, 82s. 6d. to 79s.; crude oleoresin, 60s. 6d.

QUILLAIA.—For shipment, 100s. per cwt.

Rhubarb.—Good manufacturing offered at 8s. 6d. per lb.; No. 1, 15s. 6d.

SAFFRON. - Mancha superior firm at 285s. per lb., spot.

SARSAPARILLA. — Jamaican native red spot, 3s. per lb.; shipment, 2s. 9d., c.i.f. nominal.

SASSAFRAS. — Brazilian is from 2s. 4d. per lb.

SEEDS. — (Per cwt.). Anise.—Spanish, 285s., duty paid. Caraway.—Dutch, 135s., duty free. Celery.—Indian unchanged at 162s. 6d.; shipment 160s., c.i.f. Coriander.—Moroccan, 60s., duty paid; shipment, 45s. 6d., c.i.f. Cumin. — Market dearer. Moroccan on spot reported sold at 315s., duty paid, 350s. now asked. Shipment, Cyprian nominally quoted at 290s., c.i.f. and Moroccan 265s., c.i.f. No offers. Dill.—Indian, 90s., spot; shipment, 75s., c.i.f. Fennel.—Chinese, 145s., duty paid; Indian, nominal 165s.; shipment, Chinese 105s., c.i.f. for November—December. Indian unchanged at 150s., c.i.f. Fenugreek.—Moroccan 48s. 6d., duty paid; shipment, 36s., c.i.f. Mustard.—English 50s. to 75s., according to quality. SEEDS . — (Per cwt.). Anise.quality.

SENEGA.--Spot, 19s. 6d. per lb. spot; shipment, 19s., c.i.f.

SENNA. — (Per lb.). Tinnevelly LEAVES spot: Prime No. 1, 2s.; prime No. 2, 1s, 8d.; No. 3, f.a.q., 1s. 2d. Shipment: No. 3, 1s. 1d., c.i.f. Pods: Tinnevelly hand-picked, 2s. 1½d., spot: manufacturing 1s. 4½d.; shipment, 1s. 1½d., c.i.f. Alexandria trops: hand picked is limited examples dria PODS: hand-picked in limited supplies at 10s.; manufacturing, small lots at from 3s. 3d. to 3s. 6d.

Shellac.—F.O.T.N. pure, 220s. per cwt., No. 1, 242s. 6d.; F.O., from 265s. to 325s.

SLIPPERY ELM BARK. — Spot offered at 3s. 4d. per 1b.

SQUILL. — Italian spot, 180s. per cwt.; shipment, 170s., c.i.f. Indian, 75s. per cwt., spot.

STRAMONIUM.—Continental LEAVES 85s. per cwt. spot.

STYRAX.—Spot, 15s. per lb.; shipment, 13s. 6d., c.i.f.

Tonquin Beans.—Para spot, 4s. 6d. per lb.; shipment, 4s., c.i.f.

Tragacanth.—No. 1 ribbon, £225 per cwt. No. 2, £215.

TURMERIC. — Madras finger on spot is 157s. 6d. per cwt.; shipment quoted at 155s., c.i.f.

VALERIAN ROOT. — Spot: Indian, 175s.

Vanillin.—Rates (per lb.) are now: 5-cwt. lots, 21s. 6d.; 1-cwt. 21s. 9d 56-lb., 22s.; small quantities, 22s. 6d.

Waxes. — (Per cwt.): Bees'.—Dar-es-Salaam, 450s.; shipment, 427s. 6d., c.i.f. Sudanese, spot, 400s., in bond; shipment, 390s., c.i.f. Candelilla, spot, 465s.; forward, 460s. landed. Carnauba, fatty grey spot, 370s.; shipment, 352s. 6d., c.i.f.; prime yellow, spot, 740s.; shipment, 682s. 6d., c.i.f.
Witch Hazer

WITCH HAZEL LEAVES.—Spot quotations are 2s. 2d. per lb.; shipment, 2s. 1d., c.i.f.

Essential and Expressed Oils

Prices of essential oils are subject to import sureharge if landed after October 26.

Almond.—Imported sweet oil is 7s. 3d. per lb., spot.

AMBER.—Rectified on the spot, 2s. per

BERGAMOT.—Spot quotations for 38 per cent. oil are 100s. per lb. plus surcharge,

Bois de Rose.—Brazilian, spot, 19s.; shipment, 16s. 9d., c.i.f.

CAJUPUT.—Spot, from 9s. per 1b.

CALAMUS.—Spot, from 70s. to 125s. per lb. as to origin.

Cassia.—Spot about 35s. per lb, for 80-85 per cent.

CELERY SEED. - Quotations are from 117s. 6d. to 160s. per lb.

CLOVE.—Madagascar leaf for shipment, 5s. 10d., c.i.f. Rectified, 10s. Distilled budoil, English B.P., 26s. per lb. for 1-cwt.

CUMIN.—English distilled oil, 140s. per lb., imported, 90s. to 120s.

EUCALYPTUS. — B.P. 70-75 per cent., 7s. per lb.; 80–85 per cent., 7s. 9d.

FENNEL.—Spanish sweet, spot, 10s. per

GERANIUM. — Bourbon, 87s. 6d. to 92s. 6d., spot.

GINGER. — Imported (per lb.): Indian, 200s.; Chinese, 75s.; Jamaican, 132s. 6d.

Grapefruit.—Spot offers from 17s. 6d. per lb.

JUNIPER. — B.P.C. is nominally 30s. per lb. JUNIPER WOOD, from 5s.

LAVANDIN.—From 27s. to 30s, per 1b. as to quality.

LAVENDER. - French, from 50s. to 57s. 6d. per lb. as to quality.

Lime. — West Indian distilled, 68s. per lb. on the spot, plus import surcharge.

NUTMEG.—East Indian B.P. oil is about 40s. per lb. English distilled, 65s.

OLIVE. — Spanish, £230 to £235 per metric ton f.o.b. Spanish port. Tunisian, £220 to £225 c. and f., London; Spanish oil spot, £275 to £285 per long ton ex

-Floridan sweet oil, 5s. to 6s. per lb. West Indian, 10s.; Spanish, 16s. 6d. to 18s.

Palmarosa.—Shipment, 47s. 6d. per lb. c.i.f.; spot, 60s.

PATCHOULI. — Penang is 45s. duty paid and 40s., c.i.f. per lb.

PENNYROYAL. — Spot, I5s. per lb. duty paid.

PINE. — Pumilionis, 30s. per lb., sylvestris, 9s.; abietis, 15s.

Sandalwood.—Mysore, 121s. 6d. per lb., pot. East Indian for shipment, 106s.,

UNITED STATES REPORT

New York, November 17: Brazilian MENTHOL eased 10 cents to \$2.90 a lb. but later in the week bounced up to \$3 again. Trade in CRUDE DRUGS was generally a quiet affair. Demand for IPECACUANHA was reported as disappointing for the time of year, but stocks are still light and replacement costs in Brazil high. Higher per lb. among ESSENTIAL OILS were Spanish SAGE at \$2.80 (up 40 cents), Rue, \$2.75 (75 cents); SPEARMINT, \$4.45 (50 cents); SPIKE LAVENDER, \$5.50 (25 cents); and PATCHOULI, \$5.25 (25 cents). PETITGRAIN at \$2 was down 25 cents per lb. and Ceylon Citronella at \$1.20, down 15 cents.

WORLD TRADE

Acetic Acid Plant for Russia.—The Power-Gas Corporation, Ltd., Stocktonon-Tees, have signed a contract with Techmashimport, the Russian purchasing organisation, for the supply of an acetic acid plant. The plant, costing over £5 millions, will produce 35,000 tons per year of acetic acid with propionic and formic acids as by-products. It is expected the plant will be in operation in 1968.

Caustic Soda Shortage in Ceylon.

An appeal to the Ceylon Government to import more caustic soda has been lodged by the National Chamber of Industries on behalf of soap manufacturers. Cuts in imports have been made because of short-age of foreign exchange but soap makers are now faced with closing their factories. At present there are about sixty soap manufacturers in Ceylon, of which there are three large-scale manufacturers. From January 1965, according to a Government decision, the Paranthran Chemical Corporation will be the sole importer of caustic soda. Manufacturers will be issued permits for the purchase of their requirements from the Corporation. The Corporation also manufactures caustic soda, production of which is expected to have increased by 1,000 tons this year.

Swiss Chemical Exports Up.—Swiss chemical exports rose 13 per cent. in the first half of 1964 over the same period for 1963 to about 1,100 million Swiss francs, according to the halfyearly report of J. R. Geigy, A.G. Exports rose in the 1963 period by 10 per cent. Swiss chemical imports rose by 20.5 per cent, in the first half of 1964 from 4 per cent, in 1963 to about 746 million francs and the share of chemical exports in total Swiss exports rose to 21 per cent, from 20 per cent. The Geigy report says Swiss chemical deliveries to European Free Trade Association countries rose by 25 per cent, in the first half of 1964, while deliveries to Common Market countries were almost stagnant (at a 0.6 per cent. increase). The report says the increase in exports to E.F.T.A. countries was determined less by E.F.T.A. tariff preferences than by the improved economic climate of the E.F.T.A. countries, especially Britain.

Common Market Tariff List Exceptions.—The Common Market's Council of Ministers has reached agreement on the "Six's" joint list of exceptions from the 50 per cent. tariff cut proposed for industrial products in the "Kennedy Round" negotiations. The composition of the "Six's" exception list remains an official secret but reliable conference sources gave the following final details of other important sectors covered: Chemical products—These will not be placed on the Community's exceptions list on condition that the United States changes its "American selling price" Under this system the U.S. levies duties on imports of chemicals equal to the difference between the import price and its own internal prices. At present, therefore, no imported chemicals can be sold on the American market at prices below those charged by American producers.

PRINT AND PUBLICITY

WHEN CIBA Laboratories, Ltd., Horsham, Sussex, recently started to use reproductions of famous paintings in their advertising, the Sunday Times was mildly critical of using art to sell a drug. Picasso's Femme en Chemise High Holborn, London, W.C.1: Safety-matic over blanket. In Woman, Woman's Own, Good Housekeeping, Reader's Digest, Woman's Journal, Homes and Gardens and Sunday Times magazine.

RADIOL CHEMICALS, LTD., Radian House, 78 Upper Richmond Road, London, S.W.15:



Left: COUNTER DISPLAY UNIT in which Dome-acne cream and lotion are sent out by the manufacturers, Dome division of Miles Laboratories, Ltd., Stoke Court, Stoke Poges, Bucks. The unit occupies only 4½ x 5 in, of counter area. Right: DISPLAYPIECE of 3-D type (holding an actual container) for Halospray mouth freshener made by Boehringer-Ingelheim, Ltd., and distributed by Geigy Pharmaceutical Co., Ltd., Wythenshawe, Manchester, 23.

appears in a 6 x 5 in. reproduction on the cover of the first folder in a series of five being sent to doctors, and it is understood that paintings by Picasso, Degas, Gilman, Toulouse-Lautrec and other famous artists are to follow. All the folders advertise the same product, Ritalin. From the company's point of view the reception has been "highly gratifying."

PRESS ADVERTISING

CATALINE Co., 25 Tolmers Square, Hampstead Road, London, N.W.1: Cataline, In Farmer's Weekly, British Farmer, Dairy Farmer and Pig Farming.

CHESEBROUGH-PONDS, LTD., Víctoría Road, Wíllesden, London, N.W.10: Peggy Sage talc. In Woman's Realm, Woman, Woman's Own and Woman's Mirror.

Dixor, Lid., St. Leonard's Road, Mortlake, London, S.W.14: Velouty powder cream. In women's magazines.

LAUGHTON & SONS, LTD., Warstock Road, Birmingham, 14: Vogue hairbrushes, In Woman. LENTON PRODUCTS, L1D., Grove Road, Lenton, Nottingham: Yalcs elastic hosiery. In national Press.

MEGGESON & Co., LTD., London, S.E.15: Meggeson dyspepsia tablets. In national Press.

MONOGRAM ELECTRIC, LTD., Lincoln House, 296

Radian, Radiol, Aspellin products. In provincíal newspapers, Women's magazines and the sporting Press.

ROBERT SHAW & CO., LTD., Ascot Works, Ascot Road, Nottingham: Lion hair care products. In She, My Home, Everywoman, Housewife, Flair and Vanity Fair.

PIFCO, LTD., Pifco House, Watling Street, Manchester, 4: Pifco hairdryers and electric blankets. In Sunday Express.

SOUTHALLS (SALES), LTD., Bessemer Road, Welwyn Garden City, Herts: Atrixo hand care. In Woman's Own and Daily Mirror.

SPONG & Co., LTD., Crompton Close, Basildon, Essex: Corkette bottle opener. In Radio Times,

T.V. Times and other magazines.
WARREN, STANLEY & Co., LTD., 37 Pratt Street,
Camden Town, London, N.W.1: Paton's nail hardener. In Daily Mirror and women's maga-

Booklets and Leaflets

BOWMANS CHEMICALS, LTD., Moss Bank, Widnes, Lanes: Malic acid (4-p. booklet); Fumaric acid (6-p. folder).

LENTHERIC, LTD., 17 Old Bond Street, London, W.1: Shade chart for Lenthéric make-up.

MIDLAND SILICONES, LTD., 68 Knightsbridge, London, S.W.1: Silicone fluids in cosmetic and pharmaceutical preparations (12-p. booklet).
PERKIN-ELMER, LTD., Beaconsfield, Bucks: Spec-

trophotometer accessories (12-p. brochure).





NEW DISPLAY MATERIAL: Left, a Christmas display stand combining two Phillips, Scott & Turner Co. products — 12 Bore toiletries for men and " Model Nail " fashioning new nailsis available to chemists. The stand, in three colours and approxi-mately 15 in, high, has been designed to hold actual boxes of the products, phasising their suitabil-

as presents. Right, Counter and window display cards available to appointed stockists of Taylor of London products distributed by Beechams toiletry division, Beecham House, Great West Road, Isleworth, Middlesex. The single strutted card measures 12 x 9 in. A three-plane version is shown in the photograph.

NEW COMPANIES

P.C. = Private Company. R.O. = Registered Office

ATKINS (BRADFORD), LTD. (P.C.).—Capi-£100. To carry on the business of wholesale and retail chemists, druggists, etc. Directors: Frank L. Atkins, Clarice M. Atkins and Stanley P. Yeadon, R.O.: 282 Kensington Street, Bradford, 8.

J. BENJAMIN (CHEMIST), LTD, (P.C.)—Capital £3,000, To acquire the business carried on as "J. Benjamin" at Ross-on-Wye, etc. Directors: John P. Hart, Thomas H. Davies and Michael A. E. Thornton, R.O.: 50A Broad Street, Ross-on-Wye.

H. CROSS & SON (CHEMISTS), LTD. (P.C.).—Capital £2,000. To carry on the business of chemists, etc. Directors: Cecil H. Cross, M.P.S., and lan J. H. Cross, M.P.S. R.O.: 133 London Road, Great Tarpots, South Benfleet, Essex.

R. J. DAWE (PARK PARADE), LTD. (P.C.). -Capital £100. To carry on the business of mists, druggists, etc. Directors: Richard J. we, M.P.S., and Wilfred J. Dawe R.O.: Park Parade, Barra Hall Circus, Hayes, Directors: chemists, Middlesex.

HAYDAYS (PARKWAY), LTD. (P.C.). Capital £100. To carry on the business of chemists, etc. Directors: George D. Hayday and Martin F. Glennon, M.P.S. R.O.: 547 Holloway Road, London, N.19.

JAPSRANK, LTD. (P.C.),—Capital £100. To carry on the business of chemists, etc. Subscribers: Jean Herbert and Thomas A, Herbert,

156 Strand, London, W.C.2.

MARDOBROOK CHEMISTS, LTD, (P.C.). Capital £100. To carry on the business of wholesale and retail chemists, etc. Subscribers: Jean Herbert and Thomas A. Herbert, 6 Surrey Street, London, W.C.2,

PREBAM LABORATORIES, LTD. (P.C.).-Capital £100. To earry on the business of chemists and druggists, etc. Directors: George C. Baker and Ivy C. Baker, R.O.: 8 Clovelly Road, London, N.8.

K. & H. RATHBONE, LTD. (P.C.).—Capital £100. To carry on the business of pharmaceutical chemists, cte. Subscribers: David M. Whyte and Anthony R. Collins, 11 Blackroot Road, Sutton

SHANVILLE, LTD, (P.C.).—Capital £100, To carry on the business of wholesale and retail chemists and druggists, etc. Subscribers: Stanley H. Lucas and Francis A. Dean, 6 Surrey Street,

London, W.C.2.

CIH FRINGE, LTD. (P.C.).—Capital £100.

wholesale and SULFRINGE, LTD. (P.C.).—Capital £100.
To carry on the business of wholesale and retail chemists and druggists, ctc. Subscribers: Stanley H. Lucas and Francis A. Dean, R.O.: 6 Surrey Street, London, W.C.2.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, November 23

SEVENTH BRITISH WEED CONTROL CONFERENCE, Metropole hotel, Brighton, Sussex. Until November 26.

Tuesday, November 24

BIRMINGHAM BRANCH, PHARMACEUTICAL SOCIETY Council chamber, Chamber of Commerce, 75 Harborne Road, Edgbaston, Birmingham, 15, at 8 p.m. Reports by delegates to the British Pharmaceutical Conference and formulation of Branch resolutions.

NORTH STAFFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, North Staffs medical institute, Hartshill, Stoke-on-Trent, at 7.45 p.m. Professor D. J. E. Ingram (physics department, Keele University) on "The Universe Around Us."

SCHOOL OF PHARMACY, CHELSEA COLLEGE OF SCIENCE AND TECHNOLOGY, Manresa Road, London, S.W.3, at 7.15 p.m. Mr. M. J. Thornton (production department, Imperial Chemical Industries, Ltd., pharmaceutical division) on Control of Rheological Properties and Associated Phenomena in Finished and Formulated Products.'

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY, Royal Victoria hotel, Sheffield, at 8 Formulation of Branch resolutions, and films.

TEES-SIDE BRANCH, PHARMACEUTICAL SOCIFTY, Vane Arms hotel, High Street, Stockton-on-Tees, at 7.45 p.m. Mr. D. F. Lewis (an assistant secretary of the Society) on "Proposals for a New Constitution for the Council, and other

University of London, Institute of Obstetrics and Gynæcology, Hammersmith Hospital, 150 Du Cane Road, London, W.12, at 3 p.m. Dr. E. Wiltshaw on "Cytotoxic Agents in Obstetrics and Gynæeology," (Admission by ticket only.)

WALLASEY PHARMACISTS' ASSOCIATION. Ferry hotel, New Brighton, at 8 p.m. Photographic competition.

WEMBLEY BRANCH, PHARMACEUTICAL Town hall, Wembley, at 8 p.m. Mr. C. R. Day (medical information division, May & Baker, Ltd.) on "The Drug Treatment of Mental Illness."

Wholesale Photo Finishers' Exhibition, Scymour hall, Seymour Place, London, W.I. Until November 26.

Worthing and West Sussex Branch, Pharma-CEUTICAL SOCIETY, Cricketers hotel, Broadwater, at 8 p.m. Discussion of current pro-Cricketers hotel, Broadblems affecting pharmaey.

Wednesday, November 25

BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY,
Cornclia nurses' hostel, Poole, at 1 p.m. Dr.
M. Saunders on "Drink, Drugs and Drivers."

GLASGOW AND WEST OF SCOTLAND BRANCH, PHARMACEUTICAL SOCIETY, Meeting postponed owing to indisposition of speaker.

GREAT YARMOUTH AND LOWESTOFT BRANCH, PHAR-MACEUTICAL SOCIETY, Gunton hall country club, Pleasurewood Hill, Gunton-on-Sca, at 7 p.m. Annual dinner and dance.

Hull CHEMISTS' ASSOCIATION, College of Technology, at 7.45 p.m. Joint meeting with local section, Royal Institute of Chemistry, Dr. J. Davoll on "Chemotherapy of Cancer."

iverpool Chemists' Association, Exchange hotel, Liverpool, at 8 p.m. Benevolent Fund dance.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Professor D. L. Cowen (professor of history, State University, New Brunswick, New Jersey, United States) on "History and Pharmacy"

SUNDERLAND BRANCH. PHARMACEUTICAL SOCIETY, Seaburn hotel, Sunderland, at 7.30 p.m. Dinner in honour of Mr. W. Nixon (retiring deputy head, Sunderland school of pharmacy).

UNIVERSITY OF LONDON, Institute of Diseases of the Chest, Brompton Hospital, Fulham Road, London, S.W.3, at 5 p.m. Dr, J. R. hay on chitis." "Chemotherapy of Chronic Bron-

Thursday, November 26

BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Post-graduate medical centre, Boscombe, Bournemouth, at 7.30 p.m. Sir H. Jephcott (president, Glaxo Group, Ltd.) on "Some Personal Views on Pharmacy."

BRADFORD BRANCH, PHARMACEUTICAL SOCIETY, Midland hotel, Bradford, at 7.45 p.m. Mr. B. J. Thomas on "Drug Addiction."

LEICESTER AND LEICESTERSHIRE BRANCH, PHARMA-CEUFICAL SOCIETY, Glen inn, Hillsborough Road, Glen Parva, Lcicester, at 8 p.m. Christmas dance.

MANCHESTER AND SALFORD BRANCH, PHARMACEU-TICAL SOCIETY, Literary and Philosophical Society, 36 George Street, Manchester, at 8 p.m. Film evening.

SUNDERLAND BRANCH, PHARMACEUTICAL SOCIETY, Technical college, South Johnson Street, Sunderland, at 7.45 p.m. Joint meeting with technical college pharmacy association. Dr. P. B. Crone on "The Work of the Public Health Laboratories."

WESTERN PHARMACISTS' ASSOCIATION, hotel, Gillingham Street, London, S.W.1, at 6.30 p.m. Social evening.

COMMERCIAL TELEVISION

Figures in these columns represent the number of appearances of the "spot" during the week

November 29 to December 5	London	Midland	North	Scotland	Wales	South	North-east	Anglia	Ulster	Westward	Border	Grampian	Eireann	Channel Is.	W.&N.W
Alka-Seitzer	3	4	2	4	1	2	_	2	2	2	2	2	3	2	_
Andrews liver salt	_	_	_	3	_	_	_	_	_	3	_	_		1	
Antussin	3	2	2	2	4	3	1	1	2	-		_		—	-
Askit powders and tablets	_		-	14	_	_					3	3	_	—	
Aspro	7	7	7	7	7	7	7	7	_	7	7	7	—	7	7
Beccham's pills	_	_	_	—	—	_	1	_		$\overline{}$	$\overline{}$	_	_		—
powders	6	4	3	- 5	5	5	3	6	3	2	2	2		4	-
Cuticura preparations	2	2	2	_	_	_			_	—	_	_	_	_	-
Dentu-creme	2	2	1	4	2	1	1	1	1	1	1	1	_	1	-
Disprin	_	2	1	2	1	2	1	4	1	2	1	2	-	2	
Germolene	_	_	_	—	_	-	_	—	_	_	—	1	—	_	—
Halaspray	2	2	2	_	_	2	2	_		$\overline{}$	\longrightarrow	_	_	_	—
Loxene shampoo	1	1	_	1	1	1		1	1	1	1	1	2	—	
Milk of Magnesia tablets	_	—	_	_	—	_	_		1	_	_		_	_	—
Moorland indigestion tablets	_	_	1	1	-		1	_	_			_	_	_	_
Nulon	1	i	1	1	_	1	1	2	1	1	1	1	_	2	_
Phyllosan	3	3	3	_	3	_	2	3	—		_	_	-		_
Procol	_	_	_	_	_	_	_	_	_	_	_		2	_	_
Setlers	1	1	2	2	2	2	1	2	2	1	_		_	_	_
Veno's cough mixture	2	2	2	1	2	1	1	1	1	1	2	1	_	1	_
Woodward's gripe water ,	1	I	1	1	1	1	1	1	1	1	_	_		1	_
Wright's coal tar soap	. 1	2	2		1	2	2	2	_	2	2	_	_	_	1

Friday, November 27

NORTHERN SCOTTISH BRANCH, PHARMACEUTICAL Society. Station hotel, Inverness, at 8 p.m. Annual dinner and dance.

r and dance.

ANALYTICAL CHEMISTRY, Room

Strathclyde, Montrose SOCIETY FOR M406, University of Strathelyde, Montrose Street, Glasgow, C.1, at 7.15 p.m. Dr. H. V. Street on "Some Aspects of Chemical Toxicological Analysis."

Exhibitions and Fairs

"WE NEVER MEANT TO GO SO FAR" (photographs taken on HP3 film by Miss M. Ronson during a five-year trip to fifty or so countries and published in the book of that title by Andre Deutsche, Ltd.), Ilford Galleries, 133 Oxford Street, London, W.1. Open daily until December 12, 9.30 a.m. to 5.30 p.m. (Thursdays till 7.30 p.m.) p.m.); Saturdays till 12.30 p.m.

WILLS

MR. S. BOOTLAND, M.P.S., 9 Beechwood Avenue, Harlow Green, Low Fell, Gateshead, co. Durham, left £3,370 (£3,234 net).

MR. L. O'DEA, M.P.S.I., The Rise, Malahide, co. Dublin, left estate in England and the Republic of Ireland valued at £21,695.

Mr. F. WILDMAN, M.P.S., 53 Bute Avenue, Nottingham, left £6,561 (£6,510 net).

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," November 4 For soaps, perfumes and cosmetics; detergents in powder form and liquid detergents sold in dispensers of plastics, none being for use in industrial or manufacturing processes (3)

FOUR SQUARE, B861,453, by Co-operative Wholesale Society, Ltd., Manchester.

For soaps, perfumes; talciun powder, lotions for the hands, and perfumed toilet preparations, none being inedicated (3)

BALLET, 816,627, by Gala of London, Ltd., London, W.1, and Surbiton, Surrey, For toilet preparatious (not inedicated), denti-

frices and preparations for cleaning artificial dentures, all being in cream form and all for export except to the Irish Republic (3)

STERACREME, 867,550, by Reckitt & Colman (Overseas), Ltd., Hull, Yorks.

For all goods (3)

RUB-A-DUB, 867,580, by J. Bibby & Sons, Ltd., Liverpool

For pharmaceutical preparations for the treatment

SYLVASUN, 855,320, by Sylvachem (Pty.), Ltd., Pictermaritzburg, Natal, South Africa. For veterinary preparations (5)

BACTRO-VET, 856,581, by Dow Chemical Co., Midland, Michigan, U.S.A.

For sanitary chemical substances in liquid form

THANISOL, 859,104, by Thanet Foundry and Engineering Co., Ltd., St. Peters, Broadstairs,

For pharmaceutical preparations and substances. but not including goods for export to and sale in Gibraltar (5)

FRANOLOIDS, 859,693, by Sterling-Winthrop Group, Ltd., Surbiton, Surrey.
For effervescent pharmaceutical tablets containing

vitamins (5)

MULTILIMO, 862,210, by Chemofux, Vienna, Austria.

For medicated preparations for the skin (5)

DELAVAN, 862,528, by Dome Chemicals, Inc., Elkhart, Indiana, U.S.A.

For all goods for sale in the United Kingdom otherwise than for export but not excluding goods for export to the Irish Republic (5)

FRESHETTES, 863,604, by Reckitt & Sons, Ltd., Hull, Yorks,

For pharmaceutical preparations and substances

KEMIN. 863,695, by Valmont Laboratories (U.K.), Ltd., London, N.W.8.

For vitamin tablets and mineral tablets, all for human use in medicine and pharmacy (5)

AVOZAN, 864,083, by Carter Bros., Shipley, Yorks.

For all goods (5)

ALLPYRAL, 864,424, by Dome Chemicals, Inc., Elkhart, Indiana, U.S.A. LEMIBIL, 867,670. by Cilagchemie, A.G., Schaffhausen, Switzerland.

For medicated beverages for infants and invalids. but not including medicated wine (5)

PROFILE, 865,023, by Beecham Group, Ltd., Brentford, Middlesex.

For x-ray contrast preparations (5)

GNOSTAN, 866,737, by Farbenfabriken Bayer, A.G., Leverkusen, Germany.

For insecticides, fungicides, herbicides and weed-killing preparations (5)

DIPROXONE, 866,767, by Plant Protection. Ltd., London, S.W.1, and Yalding, Kent.

For disinfectants, deodorants in the form of blocks, insecticides and preparations and substances for purifying and freshening the air (5) BLUE RIDGE, 867,776, by Blue Ridge Disin-

fectant Co., Ltd., Barmouth, N. Wales, For pharmaceutical preparations and substances for human and veterinary use (5)

PRAOLEN, 868.302, by CIBA, Ltd., Basle,

Switzerland.

For safety razor blades (8)
Device with words SILVER GILLETTE, 862,184, by Gillette Industries, Ltd., Isleworth, Middlesex.

For flash lamps and dark room lamps, all being apparatus for use in photography (9)

ACE, 858,989, by Thorn Electrical Industries, Ltd., London, W.C.1.

For brushes: combs and sponges; toilet articles,

RIANBEL, 865,460, by Cosam, Monte Carlo, Monaco.

For sponges; brushes, etc. (21)

FOUR-POINTS, 866,598, by A/S W. Jordan Borste & Penselfabrik, Oslo, Norway.

From the "Trade Marks Journal," November 11 For chemical products for use in horticulture and

forestry (1) COLLO FLORA, B853,609, by Collo-Rhein-

collodium Köln, G.m.b.H., Hersel Kreis Bonn. W. Germany. For chemical products for use in agriculture, hor-

ticulture and forestry, and manures (natural and artificial) (1) NUCIDOL, 863,244, by J. R. Geigy, S.A.,

Basle, Switzerland. For photographic developing preparations and

substances, all in concentrated form (1)
POWERDOT SUPERCONCE SUPERCONCENTRATE.

863,514, by Chemco Photoproducts Co., Inc., New York, U.S.A.
For all goods for use in photography (1)

VERSAMAT, 867,012, by Kodak, Ltd., London, W.C.2.

For chemical products used in photography; and sensitised films (1) and for cameras and parts (9) MIRCO, 867,948-49, by Mirco, Ltd., London,

For hair creams, brilliantines, toilet soaps, shampoos, toilet waters, perfumes, hair lacquers and non-medicated hand creams (3)

MARGO'S, 842,327, by Sidney Margolis, Ltd., London S.E.17.

For washing preparations and cosmetics (3) SANIGARD, B857,787, by Sanitized Verwertungs, A.G., Lucerne, Switzerland, For perfumes, essential oils, cosmetics, dentifrices,

preparations for the hair (3) and all goods (5)

Device with letter B, 852,509-10, by S. Bellman & Sons, Ltd., London, E.1.

For non-inedicated toilet preparations and cosmetic preparations (3)

Device with words NAIR SUPREME, 859,048. by Carter Products, Inc., New York, U.S.A. For all goods (3)

TAKKIT, 860,675, COMBINELLA, 868,684, by C. H. Boehringer Sohn, Ingelheim am Rhein, Germany.

For industrial soaps (3)

SUPATEX, 865,022, by Gerard Brothers, Ltd., Nottingham.

For shaving cream (3)

STAINLESS, 865,664, by Bernard Edward Mendelsohn, Dorchester, Massachusetts, U.S.A. For perfumes, non-medicated toilet preparations, cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, shampoos, soaps and essential oils (3)
TANTOT, 867.582, by Benedict Friars, Ltd..

Penydarren, Merthyr Tydfil.

For perfumes, non-medicated toilet preparations. cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, shampoos, soaps and essential oils, all being goods

for sale in the United Kingdom (3)
VASHTI. 867,679, by Cussons, Sons & Co.,
Ltd., Manchester, 7.

For perfumes, non-medicated toilet preparations, and cosmetics (3)

TOPLESS, 867,690, by G. O. Equipment, Ltd., London, W.1.

cosmetics (3)

LADY YTHON, 868,067, by Claudia Durrenberger, Zurich, Switzerland. For all goods (3) and (5)

FI-CLOR, 854,296, 854,298, by Whiffen & Sons, Ltd., Loughborough, Leics.

For cod-liver oil for pharmaceutical use, for

Device with word OVERSEA, 852,499, by

Pritchards, Ltd., Cheadle, Ches.
For pharmaceutical preparations and substances, all in tablet form (5)

WINUK, 855,791, by Sterling-Winthrop Group, Ltd., Surbiton, Surrey,

For medicinal and pharmaceutical preparations; and chemical preparations for hygiene (5)

WYBERT, B861,260, by GABA, S.a.r.l., Mulhouse, France.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED From the "Official Journal (Patents)," October 21

Process and catalyst for the production of un-saturated aliphatic nitriles. Ruhrchemie, A.G. 977 114

Attachment of detergent material to synthetic spouge. Colgate-Palmolive Co. 977,156.

Process for the preparation of alpha-chloro betaoxo fatty acid amides. Shell Internationale Research Maatschappij, N.V. 977,213.

Chemical compounds. Roussel-Uclaf. 977,214. Amine compounds. Kefalas, A.S. 977,224. Acyl-propiolic acid esters and process for their

manufacture, CIBA, Ltd. 977,227. Silver propiolic acid esters and process for their manufacture, CIBA, Ltd. 977,228.

Polyesters from e-caprolactones. Farbenfabriken

Bayer, A.G. 977,230. Diliydroxytetraliydropyran compounds, their preparation and use. Shell Internationale Research Maatschappii, N.V. 977,232.

4-substituted amino-7-chloroquinolines. Roussel-Uclaf. 977,237.

Protein food products. General Mills, Inc. 977,238-39.

Manufacture of antimony of high purity, Produits Semi-Conducteurs, 977,275.

Surface-active sulphates of alkyl ether alcohols and a process for their preparation. Shell Internationale Research Maatschappij, N.V. 977.281.

Sensitising photographic materials, Technical. Operations, Inc. 977,291.

Decomposition of sulphuric acid waste materials. Allied Chemical Corporation, 977,294,

Process for recovering nicotine, R. J. Reynolds Tobacco Co. 977,299-300.

British patent specifications relating to the above will be obtainable (price 4s, 6d, each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from December 2.

COMPLETE SPECIFICATIONS ACCEPTED From the "Official Journal (Patents)," October 28

Medical apparatus, F. J. Cridland, 977,310, Process for the manufacture of γ,β-unsaturated aliphatic uitriles, Knapsack-Greishiem, A.G.

Bottle closures, Permuta Closures, Ltd. 977,312. Barbituric acid derivatives and methods for preparing same. Aspro-Nicholas, Ltd. 977,321.

Antibiotic moenomycin and a process for its manufacture. Farbwerke Hoechst, A.G. 977,327.

Substituted quinolines, Sandoz, Ltd, 977,334.
British patent specifications relating to the above will be obtainable (price 4s, 6d, each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from December 9.

CONTEMPORARY **THEMES**

Subjects of contributions in current medical and technical periodicals.

HYPOTHERMIA. Influence of, on the radio-protective effects of β -mercapto-ethylamine. Nature, October 31.

DIGITALIS TISSUE CULTURES, Preliminary chemical examination of, for cardenolides, J. Pharm,

Pharmacol., November.

BIOCHEMISTRY and evolution. New Scientist, October 29.

CEPHALORIDINE (Ceporin), new broad-spectrum of. Brit. med. J., November 14.

CEPHALORIDINE (Ceporin), a new broad-spectrum antibiotic derived from Cephalosporin C. Clinical trial of Brit. med. J., November 14. HYMOTRYPSIN, Treatment of chilblains with. CHYMOTRYPSIN, Treatment Med. World, November.

A NEW class of antimicrobial agents. Nature, November 14.

CHRONIC MORPHINISATION, Reversal of hormonal effects as a result of. Nature, November 14.

ACTINOMYCIN. Induction of several adaptive enzymes by Science, October 30.

NARCOTICS CONTROL in Mexico. Some aspects of.

Bull, Narcot., July-September.

THE cephalosporin story. New Scientist, November 12.

STREPTOKINASE and pulmonary embolism. Lancet, November 14.

NOTICE

R.P.M.

MOLYNEUX

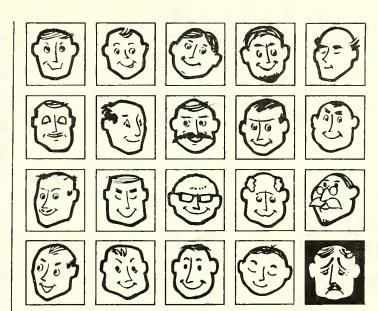
announce to all agents, retailers and customers that they are applying for exemption under the Resale Prices Act 1964 for all their Products.

MOLYNEUX ET CIE
(DESIGNS & PERFUMES)
LIMITED

63 GROSVENOR STREET, LONDON, W.1.

Member of Society of French Perfumers





CAN YOU GUESS WHICH CHEMIST DOESN'T USE FENCOLOR?

Many thousand dealers use the Fencolor colour processing laboratory. And they get the unequalled enthusiasm of specialists in difficult work plus the fastest, most reliable service in the country. All backed by an outstanding reputation for first class results.

- * IMMEDIATE REPLIES TO QUERIES
- * AGFACOLOR, EKTACHROME, FERRANIACOLOR, GEVACOLOR, ILFOCOLOR, KODACOLOR; ALL MAKES PROCESSED
- * EXCEPTIONALLY GOOD DELIVERY. REVERSAL FILMS, NEGATIVE FILMS
- * COMPLETE SERVICE. PRINTS FROM TRANS-PARENCIES, COLOUR PRINTS FROM ORIGINAL COLOUR PRINTS, TRANSPARENCIES FROM ORIGINAL COLOUR PRINTS, DUPLICATE TRANS-PARENCIES
- * FULL DEALER DISCOUNTS. OVER-RIDING DISCOUNTS TO WPFA MEMBERS

PUT A PROFITABLE SMILE ON YOUR FACE. WRITE OR RING FENCOLOR'S MANAGING DIRECTOR, H. P. REECE, TODAY

FORCOLOR

P.O. BOX 99, ABBEY ROAD CAMBRIDGE

Phone: 54507



Tidiness increases efficiency!

STOREMASTER 20C

20 drawers all 8" wide, 7" high, $10\frac{7}{8}$ " long, each with white identification card and transparent washable cover.

Overall cabinet size: 42" high, 35" wide, 12" deep. Stove enamelled dark green. £14.15.0

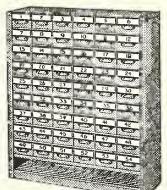


54 DRAWER UNIT

Overall size: 42" high x 35" wide x 12" deep. 54 drawers, each 5\frac{1}{4}" x 3" x $10\frac{7}{8}$ ", complete with one divider, white card and transparent protective shield per

£18.0.0 drawer.



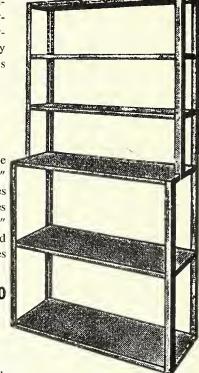


Efficiency demands tidiness, tidiness demands satisfactory storage. Our vast range of steel storage equipment covers every aspect and includes the solutions to your storage problems.

LEDGE TYPE SHELVING

The ideal shelving unit for the storage of jars, bottles etc. 73" high x 36" wide with 3 shelves 12" deep and lower 3 shelves 18" deep giving a ledge 37" from the floor. Unassembled ready for erection. Other sizes available. Prices on request.

Price as illustrated £5.5.0



Write for free illustrated catalogue

N. C. BROWN LTI

(Dept. C91) Eagle Steelworks, Heywood, Lancs, Tel. 69018 London: (Dept. C91) 5/6 Staple Inn, W.C.1. Tel. Holborn 5223



Specialists in High-Class

Label Reproduction

for Chemists

SUTTLEY & SILVERLOCK

ANDOVER, HANTS TEL. 2234



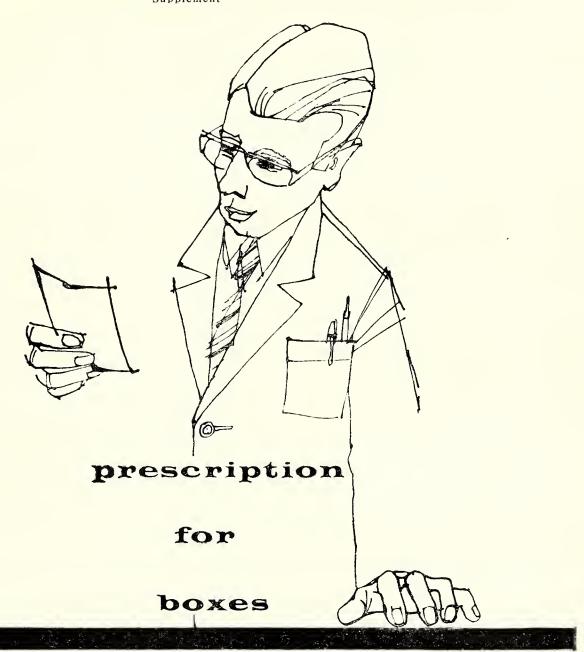
Enquiries Invited

WILLIAM BLYTHE & CO., LTD.

HOLLAND BANK CHEMICAL WORKS, CHURCH LANCASHIRE

Tel: 32141/3 ACCRINGTON

Grams: BLYCO, ACCRINGTON



Since 1839, when John Bradbury Robinson, himself a chemist, commenced making pill boxes at Chesterfield, his enterprise has grown into a world-famed organization. Today Robinson's range of Standard Round boxes for the chemist covers every dispensing requirement to round off "just what the doctor ordered".

Ask your wholesaler for details.



Robinsons of Chesterfield

ROBINSON AND SONS LIMITED WHEAT BRIDGE MILLS CHESTERFIELD





Keep Victory in sight this Winter



Take advantage of another winning Victory campaign in the national press which will capture even more customers.

Win the cold war — display Victory V on your counter.

Victory V LOZENGES AND GUMS

Fryer & Co. (Nelson) Ltd., NELSON, Lancs.

A NOTICE TO ALL **EMPLOYERS**

The First Aid Order 1964 makes it compulsory for all working premises to provide certain First Aid equipment.

JOHNSON & JOHNSON (Gt. Britain) Ltd. have produced kits to meet these requirements. They are available through the pharmaceutical retail trade.

KIT 1

This covers 1 to 10 people, working in general offices and shops. Price: 13s. 6d.

KIT.2

This covers three categories: (a) 11 to 50 people working in general offices and shops. (b) 1 to 10 people working on railway and fuel premises. (c) 1 to 50 people working in butchers' shops and places where machinery for cutting, sawing, etc., is in use. Price: 29s. 9d.

KIT 3

This covers the following categories: (a) 51 to 150 people working in general offices and shops. (For every additional 150 people another identical kit is added.) (b) 11 to 50 people working on railway and fuel premises. (c) 51 to 150 people working in butchers' shops and places where machinery for cutting, sawing, etc., is in use. (For every additional 150 people another identical kit is added.) Price: 72s. 6d.

KIT 4

This covers 51 to 150 people working on railway and fuel premises. (For every additional 150 people another identical kit is added.) Price: 113s. 6d.

Johnson Johnson (Gt. Britain) Ltd.

260 Bath Road, Slough, Bucks.

Swingin's ales from new Sunsilk Hairspra

Starting this Autumn your sales of Sunsilk Hairspray—the only one with Dicryn—will swing higher, higher, higher! Because new Sunsilk Hairspray has new advertising too.

On Radio Luxembourg a tremendous new commercial—with the *grooviest* jingle—will be heard on Top Twenty, Monday Night Special and The Pete Murray Show giving, in the 16-24 age group,

17,000,000 impacts

We're giving a Party-time offer of 2/6 off the long-lasting size aerosol. (Ask our representative all about it).

And this, too, gets its own mention in 7-second spots in an intensive campaign on Radio Luxembourg.

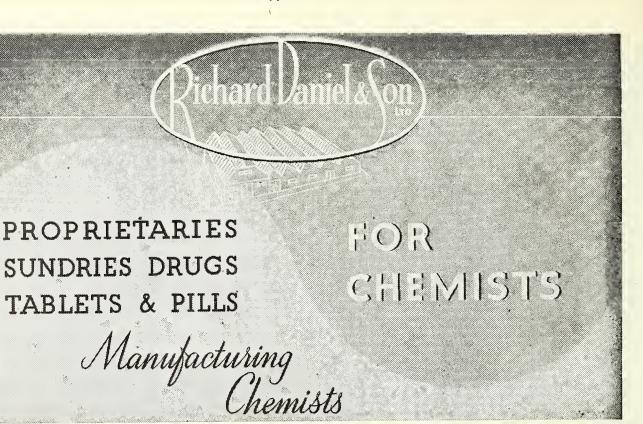
The jingle will also be heard on Radio Caroline.

This fab full-page full-colour advertisement will be seen in Honey, Vanity Fair, Photoplay, True Story, True Romance, Woman's Story and Woman's Own Hair Booklet. And that means,

10,469,000 impacts

CASH IN ON THE SUNSILK NAME—SUNSILK HAIRSPRAY IS SUNSILK SHAMPOO'S FAST-GROWING KID SISTER! STOCK SUNSILK HAIRSPRAY NOW





HEAD OFFICE & WORKS: MANSFIELD ROAD, DERBY. Tel: 40671 (10 lines) Tel: 5161 (9 lines) BRANCH WAREHOUSE: GROSVENOR ST., ASHTON under LYNE. Tel: Holmewood 481 (7 lines) NORTH WINGFIELD ROAD, GRASSMOOR.

When your customers ask for M - Sell them



RECOMMEND FOR NERVES, HEALTH & ENERGY — FROMENT HAS A LOVELY NUTTY FLAVOUR WHICH EVERYONE ENJOYS.

OUBLE SIZE (2802) 6 1402. 33 CARTON 19

JOHN H. HERON LTD., HOOK ROAD MILLS, GOOLE. TEL 1153

BERDOE & FISH

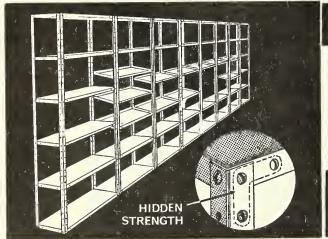
Chemists' Transfer Agents and Valuers 41 ARGYLE SQUARE, KING'S CROSS, W.C.I (opposite St. Pancras and King's Cross Stations)

VALUATIONS for all purposes **BUSINESSES** urgently required STOCKTAKING for Income Tax purposes TRANSFERS without publicity our speciality

 All Valuations and Stocktakings carried out under personal supervision of principals.

Established 1870

Phone: TERminus 3574



WHITE SHELVI

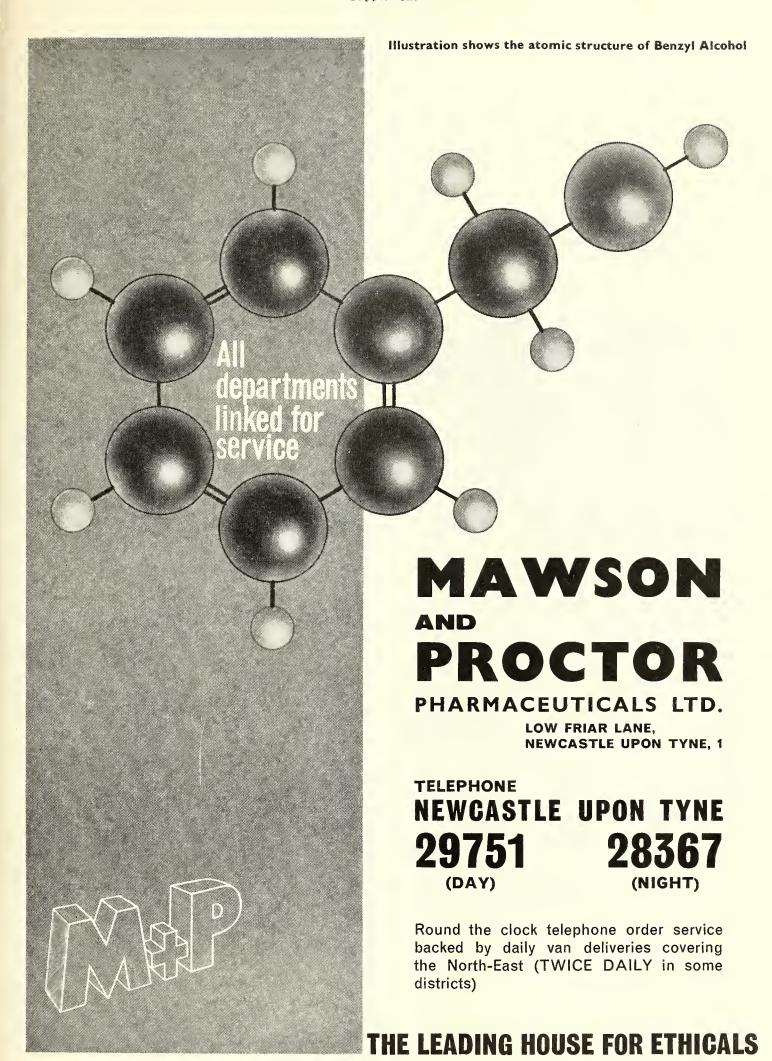
SUPER WHITE FINISH ON QUALITY TESTED STEEL

Price of Extra Shelves 12/- each 12/- each 16/6 each Available IMMEDIATE Delivery 6 ft., 7 ft., high. Examples: Height Width Depth No. of Shelves Price 71 in. 34 in, 12 in. 6 90/-Height 71 in. 85 in. 85 in. Width 34 in. 34 in. 42 in. 12 in. 12 in. 12 in. 6 6 102/-



OCHDALE METAL PRODUCTS

SHAWCLOUGH WORKS WATERFOOT ROSSENDALE · LANCS. · ROSsendale 2450



What'll
10,846,000 people
be reading
about in the

SUNDAY EXPRESS

this Winter?



PIFCO

HAIRDRYERS





ELECTRIC BLANKETS

Two full pages november 8th and 29th

each reaching 10,846,000 readers

ORDER NOW

-make sure of your share!

L'Oreal of Paris

Resale Price Maintenance

We, Golden Ltd., manufacturers and distributors of the products of L'Oreal of Paris, announce that we have applied for exemption under the Resale Prices Act, 1964, for our entire range of Hair and Beauty Products.

Unless or until exemption is refused, all our goods will continue to be sold subject to the observance by the buyer of the fixed retail prices noted in our current retail price list.

COLOR-GLO - Semi-Permanent Hair Colouring
COLOR-MATCH - Semi-Permanent Hair Colouring
for covering grey hairs

TINTETTE - Permanent Shampoo Tint

L'OREAL HAIR BLEACH

ELNETT AND ELNETT SATIN - Hair Sprays

TRESS - Wave Set

TRILL - Brush-in Conditioner

SHINING LOOK - Hairdressing Creme

CILOREAL - Permanent Tint for eyelashes and eyebrows

AMBRE SOLAIRE - Riviera Sun Tan Preparations

AMBRE SOIE - Home Tan

Golden Limited Berkeley Square House Berkeley Sq. London W1 MAY 8240

TELEPHONE: CENTRAL 6565

Address Box Number Replies to: THE CHEMIST AND DRUGGIST, 28 ESSEX ST., STRAND, LONDON, W.C.2.

APPOINTMENTS — 27/- per ½" s.c, minimum and pro rata, AGENTS — AUCTION SALES — BUSINESSES FOR SALE and WANTED — CLEARANCES and WANTS — CONTRACTS — MISCELLANEOUS — PATENTS — PARTNERSHIPS — PREMISES — PUBLIC and LEGAL NOTICES — SITUATIONS VACANT, Run-on — 4/6 per line (minimum 22/6). Semi-display — 27/- per ½" s.c, minimum. Displayed with border rule, larger type faces and blocks — 67/6 per s.c.i. minimum. Reduced rates for one-third, one-half, and full pages on application. SITUATIONS WANTED — 7/6 per 18 words minimum, then 5d, per word. Use of Box No. — 3/-. Advertisements received by 4 p.m. Tuesday published same week.

PREMISES

VICTORIA, S.W.1 STAG PLACE DEVELOPMENT

Excellent position for

CHEMIST'S

in new parade of 17 shops close to Victoria Station

Potential patronage from some 6,500 office staff employed in the precinct and occupants of a large high elass block of residential flats, Two shops already let to well known multiples, 15 ft, frontage, Depth 50 ft, plus basement Reasonable rental 15 ft, frontage, Depth 50 basement, Reasonable rental.

HEALEY & BAKFR

29 St. George Street, Hanover Square, W.1 MAYfair 9292

C 9666

BUSINESSES WANTED

MIDLANDS! Drug stores or suitable premises wanted. E. T. Perks, 16 New Street, Dudley, DU 52368.

SMALL MANUFACTURING or factoring business supplying chemists. Would consider run-down proprietary line. Any type of lines considered. Details to Box C 6487.

APPOINTMENTS

ASHFORD GROUP OF HOSPITALS, ASHFORD, KENT

Senior Pharmacist (Category III)
required to take charge of busy Pharmaceutical Department, Duties mainly at Ashford Hospital, with good supporting staff, Interesting responsible post in pleasant dispensary offering valuable experience.
Whitley Council Conditions of Service and Salary Scale,
Applications, together with the pages and

Salary Seale,
Applications, together with the names and
addresses of two referees, to the Hospital
Secretary, Willesborough Hospital, near Ashford, Kent, to reach him as soon as possible,
C 9659

BUCKLAND HOSPITAL, DOVER

Senior Pharmacist

required for an expanding hospital, National Scale of Salaries payable, Applications in writing, stating experience and the names and addresses of two referces, to be sent to the Hospital Sccretary, C 9660

CHARING CROSS GROUP OF HOSPITALS. FULHAM HOSPITAL, ST. DUNSTANS ROAD, W.6

Part-time Pharmacist required for one or more sessions per week. £2 2s, 7d, per four-hour session, Applications to, and further information from, Chief Pharmacist, RIVerside 9161, Ext. 5. C 9679

DREADNOUGHT SEAMEN'S HOSPITAL, GREENWICH, S.E.10

Pharmacist
required. Two in department. Alternate Saturdays. Salary £761—£1,019 plus London
Weighting; also £2 15s. 4d. per week for
two late sessions. Resident accommodation
available if required. Please apply to House
Governor. C 9637

DREADNOUGHT SEAMEN'S HOSPITAL, LONDON, S.E.10

Locum Tenens Pharmacist

required as soon as possible. Twenty guineas a week plus £2 15s, 4d, per week for two late sessions. Resident accommodation available if required. Please apply to House Governor, telephone Greenwich 3433, C 9663

DURHAM HOSPITAL MANAGEMENT COMMITTEE

Pharmacist

wanted in Durham Group of Hospitals based on Dryburn Hospital (316 beds). Salary £761-£1,019 a year. Detailed applications quoting two referees, to Secretary, Dryburn Hospital, Durham, immediately. C 9648

EDGWARE GENERAL HOSPITAL, **EDGWARE, MIDDLESEX**

Senior Pharmacist
required for duty in well-equipped sterile
solutions laboratory of the above hospital
(654 beds). Department can be visited by
arrangement with Chief Pharmacist (EDG.
2381, Ext. 327). Apply, stating age, qualifications and experience and giving the names
and addresses of two referees to Group
Secretary. C 9644

HOSPITAL MANAGEMENT COMMITTEE No. 9, WAKEFIELD "A" GROUP

required for busy sterilising and manufacturing department in a category IV group hospital. Modern equipment includes newly installed rapid eooling fluids autoclave. Post offers excellent experience. Salary £851—£1,113. Whitley Council conditions. Application form from Group Secretary, 113 Northgate, Wakefield.

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1

Pharmacist
required at the above hospital. Modern
department giving good general experience.
Every third Saturday morning off. Previous
hospital experience not essential. Whitley
Council conditions of service and salary.
Applications in writing stating age, qualifications and experience together with the
names of two referees to the Chief Pharmacist. C.9673

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1

Locum Pharmacist

required at the above hospital, Modern department, Every third Saturday morning off, Previous Hospital experience not essential. Salary £19 19s, per week. Applications to the Chief Pharmacist (Telephone STE, 1222, Ext. 219).

MEDWAY AND GRAVESEND HOSPITAL MANAGEMENT COMMITTEE, ALL SAINTS' HOSPITAL, CHATHAM, KENT

Deputy Chief Pharmacist (Category IV)

Deputy Chief Pharmacist (Category IV) required at the above hospital, which also serves a sub-group of four other hospitals. Salary £898—£1,223 p.a.

The Pharmaceutical Department will be transferred in due course to the Medway Hospital, Gillingham, which is being developed as the main district hospital for the area, Further details of the appointment may be obtained from the Chief Pharmaeist at All Saints' Hospital.

Applications should be addressed to the Hospital Secretary stating age, qualifications, experience and names of two referees,

NEWMARKET GENERAL HOSPITAL

Dispensing Assistant
required in modern Group Pharmaey. Ideal
working conditions, alternate long weekends.
Applications giving age, experience and names
of two referees to the Group Pharmaeist.

STEPNEY GROUP HOSPITAL MANAGEMENT COMMITTEE, MILE END HOSPITAL, BANCROFT ROAD, LONDON, E.1

Deputy Chief Pharmacist
Applications are invited for the post of
Deputy Chief Pharmacist (Category IV) at
Mile End Hospital, Whitley Council conditions of service. Further particulars may be
obtained from the Chief Pharmacist (Tel.:
ADVance 4855). Applications stating age,
qualifications, experience and the names of
two referees, to the Group Secretary at the
above address.

C 9671

PADDINGTON GENERAL HOSPITAL,

HARROW ROAD, W.9
Locum Pharmacist
required for indefinite period. Apply immediately to the Hospital Secretary. C 666

ROYAL ALEXANDRA INFIRMARY. **PAISLEY**

Applications are invited for the post of Pharmacist
in this Category IV Hospital. Whitley salary scale. Applications, with the names of two referees, to the Chief Pharmacist. C 6497

ROYAL FREE HOSPITAL

Applications are invited for the post of Pharmacist at the above Hospital. Whitley Council salary scale with extra pay for evening clinics, Apply naming two referees to Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.I. C 679

SELLY OAK HOSPITAL,
BIRMINGHAM, 29
Pharmacists
Two Basic Grade Pharmacists required. Salary scale £761 to £1,019. New entrants with other experience could enter at a point not exceeding £898 per annum. Further details from Group Pharmacist, Apply in writing, giving full details of experience and naming two referees to Administrator. C 9651

SELLY OAK HOSPITAL, BIRMINGHAM, 29

Dispensing Assistant
preferably with Apothecaries' Hall Certificate.
Salary according to age but not less than £402 per annum at age 21. Interesting post; good working conditions. Apply in writing, giving details of experience and naming two referees, to the Administrator. C 9650

SHREW, SBURY HOSPITAL GROUP, ROYAL SALOP INFIRMARY

Dispensing Assistant
(with Apothecaries' Hall Certificate) required at the above hospital, with sessional duties at other hospitals in the Group.
Applications to the Group Secretary, Copthorne Hospital, Shrewsbury.

C 9635

SOUTHMEAD HOSPITAL, BRISTOL (643 beds)

Pharmacist
required at Southmead Hospital. This post
offers wide experience. Applications stating
age, qualifications and experience to be sent
C 9669

ST. GILES' HOSPITAL, ST. GILES' ROAD, CAMBERWELL, S.É.5

Locum Pharmacist

full-time. part-time or sessional required immcdiately. Apply: Chief Pharmacist (RODney 4221). C 9624

ST. GILES' HOSPITAL, CAMBERWELL, S.E.5

Senior Pharmacist
Applications invited for the above post.
Salary scale £896—£1,168 p.a. Part-time or sessional considered,
Further details from or applications to Chief

SITUATIONS VACANT RETAIL (HOME)

PHARMACIST **BRANCH MANAGERS**

required for

CORBY (N'hants) Central Town Pharmacy. Starting Salary £1,300. Free House.

DUNSTABLE (Beds) Central Pharmacy. Starting Salary £1,500. LONGTON (Staffs) New Branch in Centre of New Town. Starting Salary £1,400.

Applicants will be required to use their own initiative in the running and stocking of the shop. The positions are pensionable.

Box C 9664

ST. LEONARD'S HOSPITAL, **NUTTALL STREET. N.1**

Dispensing Assistant
required at St. Leonard's Hospital, Nuttall
Street, London, N.1.
Salary scale rises to £637 p.a, including
London Weighting Allowance, Additional
pay for appropriate qualifications, Good
working conditions, 39-hour week, Applications to: The Hospital Sceretary, C 9670

THAMES GROUP HOSPITAL MANAGEMENT COMMITTEE

Applications are invited for the following appointments:

Senior Pharmaeist
East Ham Memorial Hospital, Shrewsbury
Road, Forest Gate, E.7.
Pharmaeist
St. Clement's Hospital, Bow Road, E.3.
In sole charge, part-time or full-time for this
Psychiatric Hospital of 123 beds with outpatients' department and Day Hospital,
Applications to respective Hospital Secretaries,

C 9662

VICTORIA HOSPITAL, **BLACKPOOL**

Pharmacist

Applications are invited for the post of Pharmacist at the Group Pharmaceutical Department, This new department has only recently been opened and working conditions are excellent. Arrangements can be made for candidates to view the department, Salary scale £725 rising to £970 per annum. Applications with the names of two referees to the Hospital Secretary, Victoria Hospital Blackbool. Blackpool.

WHITTINGHAM HOSPITAL MANAGEMENT COMMITTEE

Senior Pharmacist

required (whole-time) at Whittingham Hospital, near Preston, Lancashire, Salary £851—£1,113 p.a., plus £25 for certain qualifications. Modern Pharmacy, good working conditions, Applications immediately to the Secretary. C 9668

YORK "A" HOSPITAL MANAGEMENT COMMITTEE

Pharmacist
required for duties at the County Hospital,
York, in Group Pharmaceutical Service. Salary scale £761 x £32 (1) x £31 (1) x £37 (3)
x £42 (2) to £1,019 p.a.
Full details of this appointment can be
obtained from the Group Chief Pharmacist
at the City Hospital, York, Applications
stating age, qualifications, experience and
names of two referees to Group Secretary,
Bootham Park, York, C 9630

OVERSEAS

NEW ZEALAND ASHBURTON HOSPITAL

PHARMACIST-IN-CHARGE

Applications are invited from registered pharmaccutical chemists for the position of Pharmacist-in-Charge at the Ashburton Hospital, New Zealand. Salary scale £NZ1,293 — £NZ1,362, commencing rate depending on experience. Residential or flat accommodation available, depending on requirements, at a reasonable rental, Steamer expenses paid under certain conditions. Conditions of Appointment available from:—The Secretary, Ashburton Hospital Board, Box 75, Ashburton, New Zealand. Applications are invited from regis-

SITUATIONS VACANT

RETAIL (HOME)

A FIRST-CLASS opportunity may soon occur for a capable and experienced pharmacist with personality and good business acumen to open and manage superior pharmacy on Sussex coast. Modern Maisonette available. Write fully, please, with details of age and experience, to: S. C. Ellis, Messrs. Ford, Bull, Ellis and Sales, I Verulam Buildings, Gray's Inn, W.C.1. C 6463

BRANCH MANAGER

PHARMACIST

Branch Manager or Manageress Pharmacist required for Pharmacy Section of new Store opening shortly on the South Coast, Excellent remuneration, permanent superannuated position.

Applications in writing giving age, details of experience, etc., to the Personnel Manager, P.I.M.C.S., Ltd., Fratton Road, Portsmouth. C 692

DARTFORD. Assistant pharmacist required. Mainly dispensing with occasional relief at another branch. Pension scheme. Applications to Personnel Officer, Dartford Industrial Coperative Society, Ltd., 93 Kent Road, Dartford, Kent.

HAMPSHIRE. Fully qualified dispenser required in new business near Basingstoke. Good working conditions, Position suitable for newly qualified or hospital trained pharmacist, Write to Box C 6495.

Situations Vacant—Continued

HUDDERSFIELD. EXPERIENCED DIS-PENSING ASSISTANT required for busy dispensary in town centre, Applications stating age, qualifications and experience, to Secretary, Ralph Cuthbert Ltd., Westgate, Huddersfield. C 6492

MANAGER REQUIRED for pharmacy in small industrial town near Liverpool, The situation carries a salary of £1,250 per annum, plus free living accommodation, Experienced unqualified staff also kept, Apply Box C 6483.

MANCHESTER, An opportunity occurs to earn £1,400 per annum, and an energetic young pharmacist may be considered for this management. Opportunity exists to progress further within the company, Apply with details to Box C 9675.

PHARMACIST BRANCH MANAGER required for busy branch, Good conditions of employment, superannuation scheme, Salary by negotiation, Apply: Pleasley & Pleasley Hill Co-operative Chemists Limited, Pleasley, near Mansfield.

C 6490

SALISBURY. Young pharmacist, lady or gentleman, required to manage dispensary in modern high-class pharmacy with large turnover. Adequate, full-time help provided in dispensary. Total staff 16. Three weeks' holiday. Hours 9 to 6, Wednesday 1 p.m. In addition, every fourth Saturday 1 p.m. Rota 1 week in 5 in winter; 1 week in 10 in summer. Good salary. Principal will cease to take active part in three years time. Suitable applicant will have an opportunity then to acquire an interest, full management, Rowland Thursby, 34 High Street, Salisbury. C 6496

STAMFORD. Manager or manageress required for our branch pharmacy. Salary to commence £1,400 per annum, Four weeks' holiday. Superannuation and sickness benefits. An attractive flat available at a reasonable rent, Interview by appointment at our expense. Apply Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough.

C 6460

WISBECH, Manager or manageress required for our attractive new branch, Salary to commence £1,400 per annum, Superannuation and sickness benefits, No rotas, Interview by appointment at our expense, Apply Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough.

WOLVERHAMPTON, Company will have a vacancy early in 1965 for a pharmacist manager. The position will be progressive with a generous salary, and accommodation can be provided. Apply Box C 9676.

WHOLESALE

ALLEN & HANBURYS LIMITED

are offering appointments to Pharmacists as

REPRESENTATIVES

in Hull
Southend
Durham
Hertfordshire

Training will be given and the posts offer a challenge to male pharmacists with drive, initiative and ambition. A good salary and all expenses will be paid and a car is provided. The posts are pensionable. Applications giving full details of age, qualifications and experience should be sent to the:

Personnel Manager,
Allen & Hanburys, Ltd.,
Bethnal Green,
London, E.2,

and should quote ref. no. R. 45.

C 9665

PHARMACEUTICAL TRADE EXECUTIVE

The Lloyd Group of Companies requires a man with broad experience in the pharmaceutical trade to work on the Lancashire/Yorkshire area. The Group markets original products of recognised quality, both long established and excitingly new. The job will be a challenging one, offering the opportunity of breaking much new ground.

The Representative in addition to a successful sales background in the pharmaceutical trade, must have energy, initiative and versatility; he must recognise the value of product display at point-of-sale.

Salary will be negotiable, and amply commensurate with the work involved. The company operates a contributory pension scheme. A car will be provided.

Applicants, residing preferably in Lancashire or Yorkshire, should write stating age, educational background and full details of experience and present salary to Sales Manager, Lloyd Group of Companies, 36/38 Berkeley Square, London, W.1.

C 9680

If you are aged between 30 and 40 and wish to work with a company in which loyalty and effort are valued and rewarded, this advertisement could be of interest to you.

Robinsons of Chesterfield

manufacturers of

PADDIpads, SURGICAL DRESSINGS & ALLIED PRODUCTS

are looking for an experienced male

SENIOR REPRESENTATIVE

in N.W. England

The job entails calling on Wholesale Chemists and Hospitals. A substantial salary, and expenses, will be paid. A car will be provided.

Please reply to

The Marketing Director,
ROBINSON & SONS LTD.,
Wheat Bridge Mills, Chesterfield

C 6484

CARLTON LABORATORIES, LTD., 2 Norfolk Square, Brighton, require a medical representative in the following areas, Glamorgan and Monmouthshire. Applicant must be resident in the area, All promotions are taken from existing staff, and for the right man/or woman the prospects would be bright, Please give full details in your first letter.

C 6498

CHEMIST. Qualified analyst to take charge of the control laboratory of a manufacturing chemists in East London, Must be experienced in the analysis of drugs, etc., to B.P. and B.P.C. standards. Five-day week. Pension Scheme, Full particulars and salary required to Harker Stagg, Ltd., Emmott Street, E.1.

CHEMIST REQUIRED as assistant to Chief Chemist, Minimum qualification G.C.E. "A" level chemistry or science. Some experience in pharmaceutical or cosmetic industries preferable but not essential, Write Evans Chemicals, Personnel Dept., Barnet By-pass, Borcham Wood, Herts. C 9682

MEDICAL REPRESENTATIVE (25-35 years) for Kent area to reside Tonbridge/East Grinstead. Candidates experienced in medical representation preferred, but consideration will be given to applicants with a suitable medical or scientific background. Company car, expenses, Pension/Life Assurance scheme, Opportunity to train for future advancement. Applications should be sent to Asst, Personnel Manager, Vitamins, Ltd., Upper Mall, London, W.6, quoting ref.: MR/K. C 9658

SITUATIONS VACANT WHOLESALE

Sales Representatives

SMITH & NEPHEW

Makers of ELASTOPLAST

Sales representatives are required in a number of territories throughout the country to call upon the retail and wholesale chemist trade.

Applications are invited from representatives, aged not over 35, with experience in the consumer products field.

The positions available offer an opportunity to join a progressive expanding organisation with considerable future prospects. Remuneration will be on a salary, commission and expenses basis with a car provided.

Area interviews will be arranged initially. Please write, in confidence, giving full details of age and experience, to the Field Manager, Smith & Nephew Limited, Welwyn Garden City, Hertfordshire, Ref.: AB/CD1.

C 9667

A CAREER as a medical representative

is open to trained salesmen, and to ambitious young men in the pharmaceutical industry. "Planned Training" are starting a series of 2-week courses of 10 evening lectures designed to give you the necessary basic knowledge and confidence to gain employment in this most rewarding field of selling.

Many interesting appointments exist for suitably qualified applicants. 'Phone or write for for further information.

(Pharmaceutical Appointments Division)

Sales & Marketing Registry Ltd. 57A New Broadway, Ealing, W.5. EALing 1434 & 1486.

C 9677

MESSRS, BRITTON, MALCOLM & CO., LTD., 38 Southwark Bridge Road, London, S.E.1, invite written applications from salesmen to represent them in an attractive London and Home Counties District. The vacancy will occur shortly and the prospects are good for the right man with experience of pharmacy. Remuneration on salary, expenses and commission basis, Car driver with clean licence essential but Company car available if necessary.

C 6468

EXECUTIVE

with suitable connections and experience in selling

PHARMACEUTICALS

required to expand trade with merchants and manufacturers. Please apply Box C 6474.

PHARMACIST REQUIRED for analytical and dispensing laboratories. Excellent opportunity for a man with aptitude. Five-day week, superannuation and life insurance scheme. Please apply: Works Director, Ayrton, Saunders & Co., 30 Duke Street, Liverpool, 1.

DEVELOPMENT PHARMACIST

May & Baker Ltd Dagenham Essex require a Pharmacist in their Pharmaceutical Development Laboratories to develop processes for the manufacture of new formulations and to supervise the production of trial batches. The work involves close liaison with the Formulation Section and Manufacturing Units, and affords scope for originality and the application of scientific knowledge and principles to the solution of technical problems.

Prospects of advancement are excellent for a person with an aptitude for this type of work.

Applicants should hold a degree in pharmacy or equivalent qualification and be not more than about 30 years of age. Industrial or hospital experience would be a definite advantage.

Staff Pension Fund and Life Assurance Scheme in operation.

Apply in writing to the Personnel Officer quoting reference No. C.D. 158/64.

C 9661

OVERSEAS

FISONS GROUP OF COMPANIES

Applications are invited for the post of Chief Chemist of Dacca Pharmaceuticals (Fison Marker) Ltd., associate of the Fisons Group of Companies at Dacca in East Pakistan.

It is expected that the successful applicant will be between 30-40 years old holding a minimum qualification of Bachelor of Pharmacy or the Diploma of the Pharmaceutical Society. He would have had at least five years' manufacturing experience.

He would be responsible to the Managing Director of the Company for all production, with particular reference to quality control and development, together with the initiation of training schemes for junior technical staff.

The initial contract would be for two years inclusive of three months' paid home leave. Free accommodation and a car would be provided.

Salary and other conditions of service offer exceptional prospects.

Applications should be addressed in confidence to—Personnel Officer, Fisons Overseas Limited, Fisons House, 95 Wigmore Street, London, W.1.

AGENTS

AGENT, established 20 years, S. Lanes, and Cheshire, requires additional lines suitable for retail chemists, New (or established) products energetically presented, Highest references. Box C 6499.

AGENTS WANTED already calling on chemists, etc., in London and Southern England to carry additional good selling line. Box C 6491.

REPUTABLE COMPANIES who require agents with wide experience and connections with stores, wholesalers, and multiples, etc.: covering London, Home Counties and South Coast, contact Box C 6488.

SUNGLASSES, Agents required to sell established range of modern fashion sunglasses in medium/good quality to chemists. All sales aids available, State area covered, experience, age, trades called on, other lines carried, own transport means, ctc. Box C 6455.

SWISS BEAUTY PRODUCTS manufacturer wishes to appoint Republic of Ireland distributor as soon as possible, Please submit offers to Case Postale 41, Montreux, Switzerland, C 691

WANTED

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large, Our representative will call anywhere. Write or telephone: Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Park 3137-8.

BUSINESS OPPORTUNITIES

ARNOLD PRECISION SCALES. For good quality Dispensing and Drug Scales, Ratio Tablet Counting Balances, ctc, May we send you illustrated literature? Holmethorpe Works, Frenches Road, Redhill, Surrey. Redhill 4301.

BUYING A HOUSE? We specialise in arranging house purchase for the professions on very attractive mortgage terms, Send a postcard today for full details. Medical Insurance Services Limited, 131 New London Road, Chelmsford, Essex. C 9569

BUY YOUR OWN EQUITY SHARE PORTFOLLO and completely protect your investment in the event of death or continued illness, Repayments attract maximum income tax relief, Write today for full details, Medical Insurance Services, Ltd., 131 New London Road, Chelmsford, Essex, C 9568

MANUFACTURING FACILITIES available for medicinal, toilet or household products, Bulk or packed, Large or small quantities. Qualified supervision,

READE BROTHERS & CO., LTD., Sharrock Street, Wolverhampton

C 682

MANLY MAN'S BELT, Nationally advertised "obtainable from chemists," 39/6, Full trade terms, Order by waist measurement from Manly Co., Manor House, Worcester Park, Surrey, DERwent 3877. C 635

TRADE MARKS

TRADE MARK No. 724808 consisting of the word "CHIRCO" and registered in respect of "Surgical gloves and gauntlets, gloves and gauntlets for x-ray operators, feeding bottle teats, baby soothers, and surgical rubber goods included in Class 10," was assigned on 31st August, 1964, by Albert Thomas Frank Berry of "Grandria," Downview Road, Barnham, Sussex, to The Chichester Rubber Company (1963) Limited of 52 Westgate, Chichester, Sussex: WITH-OUT THE ENTIRE GOODWILL OF THE BUSINESS IN WHICH IT WAS THEN IN USE. C 6489

MACHINERY WANTED

WORSSAM rotary tablet machines. Apply Compressed Tablets, Ltd., 1 Tower Chambers, Hoe St. Bridge, London, E.17. C 6450

MISCELLANEOUS

PLASTIC BABY PANTS
Large Size, White, Pink and Blue
Rose scented and lanolin impregnated,
Elastic or taped legs in counter display
boxes or cellophane pack,
Price list and sample on request
SPECIAL QUOTATIONS FOR
QUANTITY
A. & H. HEYMAN,
27 Grange Road, Darlington
C 6369

CHEMISTAND DRUGGIST INFORMATION DEPARTMENT is at your service

THE Information Department at 28 Essex Street, London, W.C.2, assists subscribers by indicating sources of supply of products within the pharmaceutical industry and providing information on technical problems.

Inquiries sent to the department by post should be accompanied by a stamped addressed envelope. Inquiries may also be put by telephone: CENtral 6565.



Est. 1888

CLINICAL THERMOMETERS

G. H. ZEAL LTD. remind customers that all

British Standard Clinical Thermometers are being supplied in accordance with the 1961 edition of B.S. 691*

Furthermore the B.S.I. Kite Mark, an additional guarantee of quality and accuracy, is engraved on all ZEAL British Standard Clinical Thermometers AT NO EXTRA COST





also

The usual comprehensive range of Oral, Rectal, Sub-normal and Skin Thermometers is available. * Explanatory Pamphlet available on request.

OBTAINABLE FROM ALL LEADING WHOLESALERS

ZEAL LIMITED LOMBARD ROAD - MORDEN ROAD

Tel.: LIBERTY 2283 (4 lines) Grams: Zealdom, London, S.W.19.

MERTON · LONDON S·W·19.







Self-Service Display Carton holds packs of 25 Flex-Straws (for hot and cold liquids).
A boon to invalids at home. Children love them!



PLASTIC SEAMLESS DRINKING STRAWS

Self-Service Display Carton holds 36 packs. Each "Sparkles" transparent pack embraces 50 gay, colcurful "Sweethearts". "Sparkles" are not affected by alcoholic drinks—even when heavily iced.

Standard waxed paper straws in 50's and 100's. Ex. stock.

HYGIENIC DRINKING STRAWS CO. LTD. COLLEGE ROAD, FISHPONDS, BRISTOL

Telephone: Bristol 65-3268/65-4205 Telegrams: Drinkrite, Fishponds, Bristol

